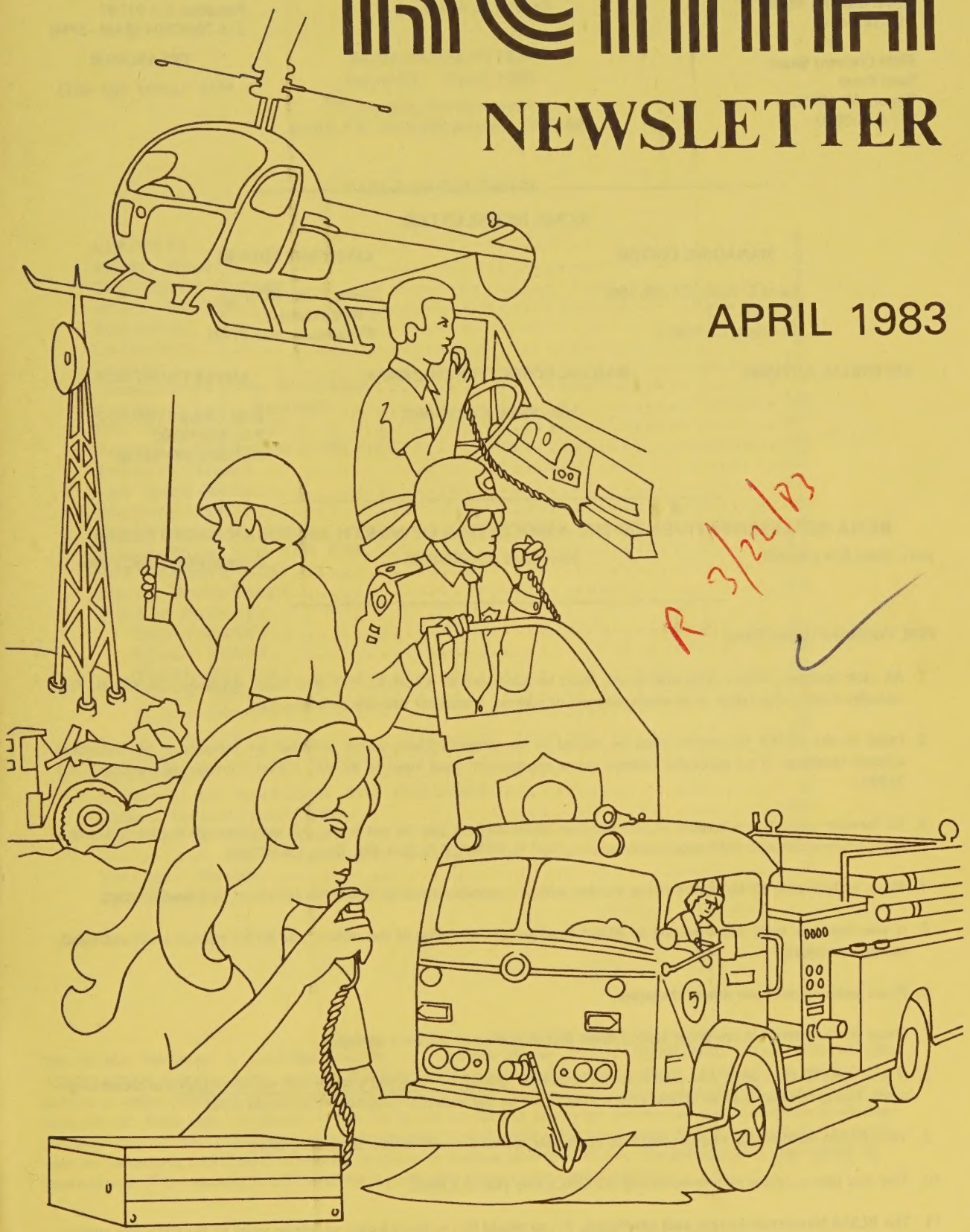
RCMA

NEWSLETTER

APRIL 1983



R 3/22/83

FIRST NATIONAL AND INTERNATIONAL ORGANIZATION
OF MONITOR RADIO LISTENERS

RCMA BOARD OF DIRECTORS

PRESIDENT

Larry Smith (MI-001)
1223 Vinsetta Blvd.
Royal Oak, MI 48067
313-542-4791
or
8984 Crescent Beach
Sand Point
Pigeon, MI 48755
517-856-2830

VICE PRESIDENT

John Arendt (IL-012)
327 Boulder Hill Pass
Oswego, IL 60543

SECRETARY

Bill Ell (CA-LA-185)
2831 Hermanos St.
Pasadena, CA 91107
213-796-0804 (8AM–5PM)

TREASURER

Mike Lussier (ID-001)

RCMA NEWSLETTER

MANAGING EDITOR

Carol E. Ruth (CA-OR-100)
P.O. Box 542
Silverado, CA 92676

ASSISTANT EDITOR

Ginny Slick (MD-012)
1 West Potomac
Williamsport, MD 21795

EDITORIAL ADVISOR

MAILING COMMITTEE CHAIRMAN

Jerry Short (CA-OR-002)

ADVERTISING MGR.

Brad Leonard (MO-004)
P.O. Box 13602
St. Louis, MO 63138

RCMA REPRESENTATIVES TO THE ASSOCIATION OF NORTH AMERICAN RADIO CLUBS

Jerry Short (CA-OR-002) John Clark (CA-OR-078) **Robert Horvitz (CT-048)**

FOR YOUR INFORMATION:

1. All club business, unless otherwise noted, must be addressed to R.C.M.A., P.O. Box 4563, Anaheim, CA 92803. This includes matters that relate to renewals, changes of address, newsletter delivery problems, etc.

2. Input to the RCMA Newsletter must be mailed to the proper editors, whose addresses are included in the individual column headlines. If no particular column seems appropriate, send input to RCMA, 1 West Potomac, Williamsport, MD 21795.

3. To forward a letter to a specific RCMA member whose address you do not know, put your message to that person in a stamped envelope with your return address on it; mail to RCMA, P.O. Box 408, Earp, CA 92242.

4. Please include your RCMA membership number with all correspondence to newsletter editors or club headquarters.

5. If you require a reply when writing to RCMA headquarters or to one of the editors, you MUST enclose a self-addressed, stamped envelope.

6. Please write on only one side of the paper.

7. Please don't combine in one letter several items that should go to different addresses.

8. If you want to type what you submit to the newsletter, please don't exceed a seven-inch column width and please single space. Doing this may save an editor from having to retype the material. Please don't use script type.

9. Your RCMA membership number and expiration date appear on your newsletter mailing label.

10. You may join or renew your membership for ONLY one year at a time.

11. The RCMA Newsletter accepts paid advertising. If you would like to place a paid ad, please write to the following address for our advertising guidelines: RCMA Newsletter, P.O. Box 13602, St. Louis, MO 63138

RCMA NEWSLETTER
Issue 85 April 1983
©Copyright. All rights reserved
RCMA, P.O. Box 4563, Anaheim, CA 93803

TABLE OF CONTENTS

Aircraft..... 5
ANARC News..... 5
Beginners Corner..... 7
Below 30 MHz..... 10
Business, Etc. 8
Calendar..... 2
Canada..... 13
Communications Profile..... Ø
Contact/Info Wanted..... 15
FCC Topics..... 17
Federal Government/Military..... 19
International..... 23
Low Band Skip..... 25
Marketplace..... 28
Miscellany..... Ø
Monitoring and the Law..... 31
New Members List..... 74
Photo Department..... 32
Public Safety:
California..... 60
Great Lakes..... 35
North Central..... 48
North East..... 39
South Central..... 43
South East..... 52
West..... 55
Railroads..... 68
Reports of Meetings and Officers..... Ø
Space Communications..... 69
Special Feature..... Ø
Technical Topics..... 70
Thought Waves..... 3
VHF Marine..... 72

The RCMA Newsletter is published monthly by members of the RADIO COMMUNICATIONS MONITORING ASSOCIATION, P.O. Box 4563, Anaheim, CA 92803. Subscription rate/membership fee is $16.50 for U.S. residents. For persons in other countries, the following rates apply: Canada and Mexico—$18.50; Europe—$20.00, South Pacific and Asia—$21.50. These dues are payable in U.S. funds and are subject to change. Information contained herein is obtained primarily from members and does not necessarily present the position or reflect the opinion of RCMA as a whole. The RCMA does not necessarily recommend or endorse products or services advertised herein. The publication is copyrighted © Reproduction of any material in this newsletter is prohibited without prior written consent.

** Calendar **

Send notices of upcoming events for the Calendar section to:
John Clark, RCMA, P.O. Box 4563, Anaheim, CA 92803.
Please send notices well in advance of the Newsletter deadline.

Greater L.A. Area R.C.M.A. Eric Christensen CALA045 Presiding
--Meetings tentatively scheduled each third Friday of the month--

March 18 FRIDAY Meeting at Mercury Savings and Loan, Valley View and Lincoln, Buena Park, Ca 8:00PM. 2nd Floor. Elevator in back.

Guest Speaker Gene Hughes CALA006 Editor Police Call and Police Call Southern California Edition. His publications of timely and accurate information are a great aid to our hobby. This meeting should be a MUST.

April 15 FRIDAY Meeting at Mercury Savings and Loan, Valley View and Lincoln, Buena Park, Ca 8:00PM. 2nd Floor. Elevator in back.

General Sharing Session. Everyone is to bring something to share with the group.

R.C.M.A. Chicago

Contact Edward Robert Sirovy IL-004 312 969 2856
311 S. Williams Street, Westmont, Il 60559

Meetings: NANCINI'S Resturant 5555 St Charles Road, Berkeley, Il
two blocks east of St Charles Road exit from Eisenhouer
Expressway Extention I-290 (phone 312 544 7277)

Visitors are welcome but please confirm the date in advance.

Saturday	March	5, 1983	1:00 PM
Saturday	April	23, 1983	1:00 PM
Saturday	June	11, 1983	1:00 PM
Saturday	July	30, 1983	1:00 PM
Sunday	August	28, 1983	Picnic / Field exercise
(write or phone for details about this fun day)			
Saturday	September	24, 1983	1:00 PM
Saturday	November	12, 1983	1:00 PM

A SASE on file assures notification of tours and other item which may be scheduled on short notice.

R.C.M.A. Connecticut Chapter

Contact Bill Moore CT 038 203-223-0840
950 Farmington Ave, New Britain, CT 06051

Southern New England Scanners Club

Contact Maurice Dandeneau RI 017 401-828-1641
P.O. Box 7052, Warwick, RI 02887

R.C.M.A. Minneapolis-St. Paul Area

Contact: Chuck Steier MN-008 (612) 927-9253
4820 Hwy 7, Minneapolis, MN 55416

A SASE on file assures notification of chapter activities (tours, gatherings, etc) non members are welcome to attend.

NEED BACK ISSUES OF THE RCMA NEWSLETTER?

Lots (Months/Year)	No. of Issues	Price
Sept 75 - June/July 76 (No Oct or Nov published)	7	$2.00
Aug - Dec 76 (No Oct published)	4	$3.00
Jan - June 77	6	$4.00
July - Dec 77	6	$4.00
Jan - June 78	6	$5.00
July - Dec 78	6	$5.00
Jan - June 79	6	$6.00
July - Dec 79	6	$6.00

1980-82 back issues are now available at $1.50 per copy.

The following categories of postal rates are new. Please read carefully.

Order Total	Include This Amount of Postage
$ 1.50 - $ 5	$1.00
$ 5.50 - $10	$2.00
$10.50 - $15	$3.00
$15.50 - $25	$4.00
$25.50 - $35	$5.00
Over $35	$6.00

Send your request & check or money order
(made out to RCMA) to Secretary Bill Ell:
2831 Hermanos St.
Pasadena, CA 91107

THOUGHT waves

Ginny Slick, RCMA Assistant Editor, 1 West Potomic, Williamsport, MD 21795

For the last several months I have been happily receiving and reading mail from the people who make up our club. Each morning I've learned something new, met a new friend, or become aware of recurring or potential problems. I've discovered that RCMA is an unusual organization with members who want various things. Some of us are most interested in learning from the information published in the newsletter. Some of us are happiest when we share the the things we have learned. Some of us are eager to become acquainted by phone or letter with others involved in the same hobby. Some want to go to meetings and be part of the decision making process of the club.

I think that many, perhaps even a majority of members followed a pattern similar to mine with regard to our membership. We saw a notice in a radio magazine of some sort, and joined because we wanted to know more about scanning; or we wanted a source of up to date frequencies. If it would have been possible, we would have subscribed to the newsletter alone. Instead we found ourselves members of the "First National and International Organization of Monitor Radio Listeners" without any clear idea of what that might mean! We received the newsletter. We could place free ads to sell equipment or to contact and share information. We were invited to board meetings according to early 1982 newsletters. At one time we could even cast a ballot for the officers.

Over the years the club has changed to keep pace with the times and developing situations. It has met some very serious problems and overcome them. Probably the most difficult thing has been the running of business to satisfy members scattered all over the world. Many members who wrote saw this as the main problem. They lamented the lack of officers from their area, but they had no remedy to offer. I don't either. The board members must meet in a face-to-face situation. If they attempt to conduct business by telephone or letter, it takes ages. The day may come, with the advent of computers, that members may sit at the machine in many different states at a certain time, and a dialogue could take place. But at this time the logistics appear to be insurmountable.

Several writers expressed the hope that the board would again summarize their monthly meetings in the newsletter. I would also like to have this happen. I believe that awareness of the board's actions will tend to stop complaints before they get started, and perhaps would lead to quality member input. I have received and enjoyed some letters that were impressive in their logic and organization.

To all who have written, my thanks and a promise to look into any problems that you brought to my attention. I hope to introduce some of the ideas for columns and formats in future Thought Waves. Finally, you people who are thinking, "I should write, but...", please, please do it! Your letters are learning experiences for me. They keep me alert and open my eyes to things I might not notice. Until next time.....

Happy Hunting

YOUR THOUGHTS

1 West Potomac, Williamsport, MD 21795

To the Editor:

The letters by CA-SD-022 and Mark Cobbeldick in the December newsletter prompted me to write. I've been monitoring since 1969 and have been a member of REACT since 1872, working closely with MSP and Price George's County Police and Fire in Maryland. I am glad to see the newsletter built up again.

My thought on sensitive frequency publication is that I would like to see them printed, but I have traded frequencies with other members and that helps to satisfy me.

Mr. Cobbeldick said that RCMA has been oriented toward California members. Since I have family up and down the state from Berkley to L.A., and since I am also a "Chips Emergency" fan, I enjoy reading about the area. In short, I am happy with RCMA. Keep up the good work.

Joe M. Lewis (MD-015)
Largo, Florida

ASSOCIATION OF NORTH AMERICAN RADIO CLUBS

NEWS HIGHLIGHTS

ANARC is a federation of the most responsible, well established radio listening clubs in North America. RCMA attained Full Member status in ANARC in 1977. For a list of the ANARC Member and Associate Member clubs send a self-addressed, stamped business size envelope with your request to the address below.

For an annual subscription to the ANARC Newsletter, send $5 to:
Joe Barr, 1500 Bunbury Drive, Whittier, CA 90601. ($8 overseas subscription.)

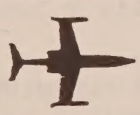
ANARC Convention 1983

July 15,16,17,18 1983 Westpark-Best Western Hotel
Rosslyn, Arlington, VA

The hotel is located accross from D.C.'s Georgetown, and is directly on the Metro line. Rates will be $45.00 per night, single, or $22.50 each for a double room. For more information send a SASE to WADXA, 606 Forest Glen Road, Silver Springs, Maryland, 20901, U.S.A.

Central Maryland Dx Association meets on the 2nd Monday of each month. for information contact Tony Kobylski (301) 563 0039

This month's centerfold is a listing of all ANARC clubs and associates.



Aircraft

Send private, commercial, firefighting and law enforcement aircraft frequencies of interest in the 108-136 MHz range and frequencies in other bands above 30 MHz associated with airports and aircraft plus questions, articles and tips related to aircraft monitoring to:

Darrel Charest, 1459 Monterey Blvd., #293, Hurst, TX 76053

Howdy,

Since this is my initial effort as the aircraft editor, I'll take the opportunity to give you a little information on my background and experience. In August of 1980 I retired from the FAA after 35 years, all of it in air traffic control and communications. Since my retirement I've been spending most of my free time as a flight instructor. Flight instructing never did pay very well, and is not very lucrative today. It does, however, offer an occasional thrill and helps me keep my proficiency at a reasonably high level.

Sometimes I find it rather difficult to convince my bride that the most hazardous part of flying, is the trip to and from the airport - by CAR. While this is not necessarily true in terms of "General Aviation" statistics, your trip by aircarrier is many times more safe than driving.

Through trial and error as well as information contained in this magazine, I'm sure most of you have acquired your favorite frequencies. There are some common aircraft publications that are a real "Gold Mine" in their listings for specific geographical areas. Some of these are:

1.	Airport/Facility Directory	About $3.
2.	Enroute Low Altitude Chart	$2.50 to $3.
3.	Sectional Chart	$2.75

All of these are published by U. S. Govt. and are generally available at most airports where flight training is conducted. If you have a friend who is a military pilot, you might ask him to give you a copy of his "Enroute Supplement" when it becomes outdated - about every 6 weeks. The "Enroute Supplement" contains both VHF and UHF frequencies of civil and military air traffic control facilities throughout the entire U.S. The "Supplement" is not generally for sale to the public, though it may be possible to acquire a current copy under the "Freedom of Information" act.

Our Assistant Editor Ms Ginny Slick asked me a question that I could not answer. Perhaps one of you may have the answer. While monitoring some of the "SAM" phone patches she hears them report they have "One DVP aboard.' What is DVP? SAM, of course, is Special Air Mission, and usually DV means Distinguished Visitor. But DVP is a new one to me.

The frequency listings for the "Bay" area are provided by Mr. Cliff Polkinghorn of San Leandro, Ca. Almost like old home week for me, since I spent some of my career there. Thanks Cliff, and I have taken the liberty of adding the ATIS frequencies where they are available.

Before wrapping this up, I would like to thank Major Ron Hammer for his many entertaining and informative articles. In my opinion he did a superb job as aviation editor, and the Newsletter never seemed complete without his contributions.

See ya'all next month.

BAY AREA AIRPORTS

OAKLAND:

118.300	NORTH FIELD (RNY 27R/27L/33/15)	ATIS 126.0/128.5
127.200	INTERNATIONAL AIRPORT (RNY 29)	
121.900	GROUND CONTROL (RNY 27/33/15)	
121.750	GROUND CONTROL (RNY 29)	
453.900	AIRPORT OPERATIONS and SECURITY	

SAN FRANCISCO:

120.500	TOWER (RNY 28R/28L/19R/19L)	ATIS 115.8/113.7
121.800	GROUND CONTROL	
121.650	GROUND CONTROL	
453.200	AIRPORT OPERATIONS and FIRE DEPARTMENT	
453.375	AIRPORT SECURITY	

SAN JOSE:

120.700	TOWER (RNY 12L/30R)	ATIS 114.1 (VOR)
124.000	TOWER (RNY 12R/30L)	
121.700	GROUND CONTROL	
453.575	AIRPORT OPERATIONS and SECURITY	

SAN CARLOS:

119.000	TOWER
121.600	GROUND

HAYWARD:

118.900	TOWER (RNY 28R/10L)	ATIS 126.7
125.800	TOWER (RNY 28L/10R)	
121.700	GROUND CONTROL	

FREMONT:

122.800	UNICOM ONLY

LIVERMORE:

118.100	TOWER (RNY25)
121.800	GROUND CONTROL

BUCHANAN FIELD:

119.700	TOWER (RNY 1R/19R/32R)	ATIS 124.7
126.400	TOWER (RNY 1L/19L/32L)	
121.900	GROUND CONTROL	

PALO ALTO:

118.600	TOWER (RNY 30)
121.900	GROUND CONTROL

Aircraft continued

AIRINC FREQUENCIES:
130.800 130.400
131.950 130.600
129.850 131.800

CIVIL AIR PATROL
148.150

UNICOM ALL AIRPORTS (unless otherwise noted)
123.000
122.95 at those airports with a Control Tower

? Beginners ?????? Corner

If you are new to monitoring, or have something you don't understand, please write to me at the address given below and I will try to answer your question. When possible, your questions and answeres will be printed. For those who wish an immediate reply, please send a self-addressed, stamped envelope.
Bob Quinlan, 4243 N. Melvina, Chicago, IL 60634

Hello -

I am Bob Quinlan. I am the new editor of the Beginners Corner. I am 33, married, and work as an electronic tech in the video and pinball industry. My family and I live on the northwest side of Chicago, about 6 miles from Ohare International Airport.

I have been interested in monitoring for about 15 years, and with a large city like this, there is always something to listen to. My radio equipment consists of 2 Bearcat 250's, 1 Bearcat 101, Bearcat 4, Unimeters digit scan 8, Regency weather monitor (tube type), Motorola Ht220 VHF, Bearcat 220, and a Craig handheld 4 ch. Planned for the future is a shortwave receiver.

I will try to write this column for the advanced and the new listener. If you have a question you would like to get answered, or if you would like to share some information with others, please drop me a line.

Living in a large metropolitan area such as Chicago, which has about 4 million people and numerous suburbs, it adds up to a lot of people; or if you live in a small town of 400, the biggest problem can sometimes be noise. This noise can come from about anywhere--from the power lines to a hair dryer, or from any kind of electric motor pump, microwave oven, or fish tank heater.

Yes, sometimes you have to play detective and figure out where it comes from. Whether manmade or from mother nature, it's annoying and usually shows up during the hottest radio traffic. In my old neighborhood, I had a problem occur every 20 - 25 minutes; trying to find it nearly drove me bonkers. The kid next door had a fish tank heater that put noise on the power line and went into my radio through the wall outlet. I purchased an AC line filter which helped me 100%. They are reasonable in price and can save you a lot of headaches.

Sometimes nothing at all will work. A good idea is to add a ground strap from the outlet to the radio chassis. Hope this information helps you.

Happy Monitoring -
Bob Quinlan IL157

Business, Etc.

This column is for reporting frequency and radio system information for the following varied services: business, forest products, petroleum industry, special industrial, manufactureers, news media (behind-the-scenes radio, TV & newspaper), motion picture industry, security (private patrol, detective agencies, campus security & police, amusement park & stadium security, shopping center & mall security, plant/business/hotel security, etc.), General Mobile Radio Service (GMRS), mobile phone/RCC & paging, trucking firms, bus lines, taxi cabs, tow trucks, utility companies (private & municipal water, power, electric, gas, telephone, etc.), and all school & college related frequencies. Send information and questions pertaining to the radio services covered in this column to:

Larry Smith (MI-001) is resigning as editor of this column. We would like to thank him for his service to the RCMA Newsletter. We hope to have a new editor as soon as possible; we'll keep you posted.

- Editor

GREETINGS, AND WELCOME TO ANOTHER BUSINESS & ETC. COLUMN.

FROM JERRY OF THE ALL OHIO SCANNER CLUB COMES A NICE LIST FOR A GOOD PORTION OF OHIO. THANKS JERRY! AS YOU CAN SEE WE TRY TO COVER YOUR STATE THE MATERIAL HAS TO BE SENT FIRST.:

30.800	ELYRIA COUNTRY CLUB	ELYRIA
30.760	GLENBECK CONSTRUCTION	CANTON
30.760	McCOYS TRASH COLLECTION	COLUMBUS
30.760	INTERNATIONAL SECURITY INC.	KETTERING
30.800	A & B POOLS	CINNC.
30.880	C & L INC. SERVICE CORP.	CANTON
31.000	KEFFER SOUND SERVICE	LIMA
31.040	BUCKEYE TERMINAL	COLUMBUS
31.680	P.D. HOLLER & SONS INC.	NEWARK
31.920	H.P. LOCKHART CONSTRUCTION	AKRON
33.140	DENISON UNIVERSITY	GRANVILLE
35.020	1st LUTHERAN CHURCH OF DAYTON	DAYTON
35.100	MT. VERNON BOTTLED GAS	MT. VERNON
35.100	CEDAR POINT	SANDUSKY
35.180	STAR DECTIVE	COSHOCTON
35.180	BLETSLAGER ELECTRONICS	LANCASTER
35.700	WEST MARKET SHELL	AKRON
35.880	L & M TRUCKING	AKRON
35.900	ALLIED SIGN CO.	COLUMBUS
35.980	JOHNS AUTO TOW	AKRON
37.600	CLEVELAND ILLUMINATING CO.	CLEVELAND
42.960	DELEWARE READY MIX	DELEWARE
42.960	CENTRAL CARRIAGE CO.	TOLEDO
43.110	AAA - SENTRY ALERT SYSTEMS - THORNTON LANDSCAPING	CINNC.
43.080	EVANS BROTHERS	ZANESVILLE
43.180	DOW CHEMICAL	NEWARK
43.180	GRIMES CONCRETE	SPRINGFIELD
44.320	BRINKS	ALL STATE
47.480	ISHADA CONCRETE	MARION
47.560	COLUMBUS SAND & GRAVEL	COLUMBUS
47.640	NEWARK ASPHALT CO.	NEWARK
48.660	TENNECO CO.	ALL STATE
49.100	GULF OIL	ALL STATE
49.580	OHIO EDISON	ALL STATE
150.815	AKRON AUTO TOWING	AKRON
150.875	BOWMAN & SON TOWING - PAULS MAROTHON	COLUMBUS
151.535	TOLEDO GRAVEL INC.	TOLEDO
151.595	NORTHERN OHIO PAVING	TWINSBURG
151.685	BURGER BREWING	CANTON
151.835	LEONARDS TV	LORIANE
151.925	IBM	AKRON
152.480	IBM GE	STATEWIDE

Business, Etc. continued

153.140	GE	ALL STATE
153.170	BENDICTS PRODUCTS	DAYTON
153.170	ALLIS CHAMERS TRACTOR	NORWOOD
153.200	FIRESTONE	AKRON
153.200	WESTERN ELECTRIC	COLUMBUS
153.230	BURGER BREWING	CINNC.
153.200	CLOW CORP.	COSHOCTON
153.260	GE - CYCLOPS - UNION CARBIDE	ALL STATE
153.350	PROCTOR & GAMBLE	ALL STATE
153.395	B. F. GOODRICH	AKRON
153.680	OHIO POWER	ALL STATE
154.540	OHIO WESLEYAN UNIVERSITY	DELEWARE
154.600	UNIV. OF CINNC. - GATE OF HAVEN CEMETERY	CINNC.
154.600	CYCLOPS	ALL STATE
157.500	B & J SERVICE	SPRINGFIELD
158.280	WHITE MOTOR CORP.	CLEVELAND
158.340	BENDIX - ANCHOR HOCKING - MORTON SALT	ALL STATE
158.460	OHIO MASONIC HOME	SPRINGFIELD
159.495	BRINKS	ALL STATE
159.570	BESSEL TRANSFER	CINNC.
160.050	DUFF TRUCK LINES	ALL STATE
173.325	VARIOUS NEWSPAPERS IN OHIO	OHIO
451.425	TOLEDO EDISON	TOLEDO AREA
452.550	CLEVELAND AUTO CLUB	CLEVELAND
452.750	MANSFIELD BUS LINE	CLEVELAND
456.300	OHIO BELL	CLEVELAND
460.675	TWA	ALL STATE
461.075	BURLINGTON NORTHERN AIR FREIGHT	DAYTON
461.425	DEFIANCE AUTO SUPPLY	NAPOLIAN
461.800	BLACK DISPATCH NEWSPAPER	CINNC.
464.675	J. C. PENNY	COLUMBUS
466.325	LION CO. COUNTRY SAFARI INC.	SANDUSKY
467.175	SIDNEY ELECTRIC CO.	SIDNEY
467.925	AKRON MED CENTER	AKRON
468.075	GOOD SAM HOSPITAL	DAYTON
468.225	ACE SEPTIC TANK SERVICE	COLUMBUS

WHEW!! A BEAUTIFUL LIST FROM A STATE WE DON'T HEAR FROM THAT OFTEN. THOSE LOW-BAND FREQ'S YOU PROVIDED, JERRY, WILL DO MANY A GOOD TURN SINCE OHIO SEEMS TO BE HEARD QUITE OFTEN IN THIS PART OF THE COUNTRY. HOPE TO HEAR FROM YOU AGAIN.

FROM DAVID (OH-127) HE SEND THIS MONTH, SOME NEWS-MEDIA INFO. HE WAS ABLE TO TOUR THE MOBILE UNITS THE WEEKEND OF NOV. 20th COVERING THE OSU/MICHIGAN GAME.:

CBS SPORTS (MOBILE UNITS 6A & 6B) 450.050 450.350 450.2125 450.4125 450.5125

ALSO, A COUPLE OTHERS DAVID SENDS ALONG WITH THE CBS MATERIAL:

462.075 B KRY-356 WARNER AMEX CABLE CORP. (COLUMBUS)
467.075 M KRY-356 SAME

1 BASE @ 75 WATTS
5 MOBILE (MOBILE RELAY LICENSE)

USAGE: STUDIO OPERATIONS/TECHNICAL SETUP FOR REMOTE BROADCASTS.

THANKS FOR YOUR HELP DAVID, HOPE TO HAVE ADDITIONAL INFORMATION FROM YOU IN THE NEAR FUTURE.

Business, Etc. continued

FROM WILLIAM (NJ-034) IS A LIST FROM HIS HOME AREA:

37.820	PUBLIC SERVICE GAS CO.	(UNION COUNTY)
472.962	ELIZABETHTOWN WATER & GAS CO.	(UNION COUNTY)
48.140	PUBLIC SERVICE ELECTRIC CO.	(UNION COUNTY)
154.995	ELIZABETH, N.J. WATER UTILITY	
453.000	NEWSDAY (LONG ISLAND, N.Y. DAILY NEWSPAPER	
153.350	EXXON BAYWAY REFINERY (KEA-237)	(LINDEN, N.J.)

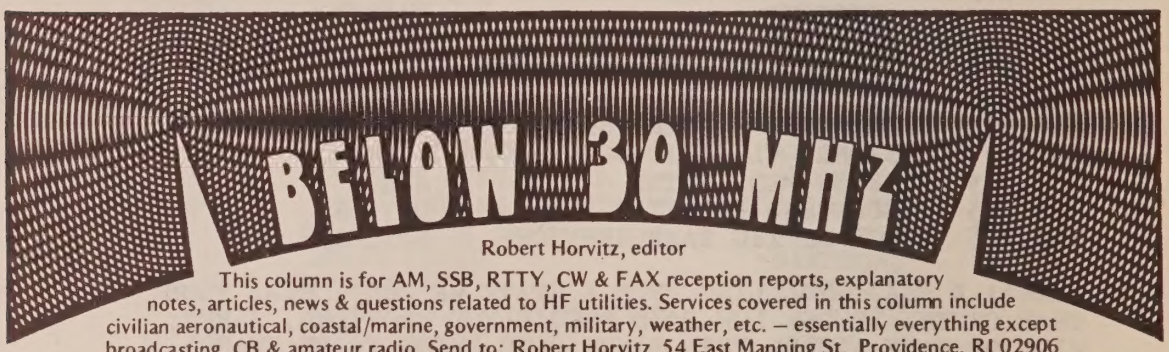
THE FOLLOWING THREE FREQUENCIES COVERED THE RECENT NEW YORK CITY MARATHON HELD ON OCT. 24, 1982 FOR W.A.B.C. TELEVISION. THEY COVERED THE AIRCRAFT, REMOTE & STUDIO. NO CALL-SIGNS WERE GIVEN.:
161.755 493.362 *485.700 (*COULD BE EITHER 485 or 486, AS IT APPEARS THIS LISTING WAS TRACED OVER A FEW TIMES...Ed.)

THANKS DAVID FOR THE INFORMATION AS SOME OF US WILL NO DOUBT BE LISTENING TO THE ACTION ON THE MARATHON NEXT YEAR.

LAST NOTE ON THE R.H. MACY/ BAMBERGERS freqs (Feb. issue): Rickey Stein (NJ-001) writes to say that his co-author for those was Chuck Gysi (PA-005). Thanks again to both of you!
- Editor

REGARDS,

LARRY (MI-001)



Robert Horvitz, editor

This column is for AM, SSB, RTTY, CW & FAX reception reports, explanatory notes, articles, news & questions related to HF utilities. Services covered in this column include civilian aeronautical, coastal/marine, government, military, weather, etc. – essentially everything except broadcasting, CB & amateur radio. Send to: Robert Horvitz, 54 East Manning St., Providence, RI 02906

Monitoring Diplomatic Radio Traffic in India

(from The Patriot, New Delhi, 8 June 82, reprinted in the South & East Asia Report #1173): There is a merry game of "I spy" going on in the ether waves between intelligence agencies and the foreign missions in the Capital. And the sleuths are sore that the diplomats are not sticking to the rules of the game. Almost all embassies and high commissions in the Capital have high powered transmitters--as also receivers --for communicating with their respective Capitals. As part of the international protocol on the subject, each one of them has been allocated a specific frequency on the radio spectrum for the purpose. For many years now, Indian intelligence agencies who routinely monitor these broadcasts have discovered that the foreign missions are not sticking to the frequency allocated to them, but are transmitting their messages on various other frequencies. Monitoring agencies keeping watch on this have discovered that the missions frequently change the clandestine frequencies to prevent the messages from being understood either by the host country or by other missions.

Considerable sophistication has been reached in this game by all the parties concerned. Some of the technologically advanced countries use computerized coding systems as also electronic codification of the 'message' which after coding can be beamed in a super fast 'pulse' instead of the normal voice or morse-code transmissions. The 'pulse' can be recorded only by the receiving country and deciphered.

Experts rate the Indian surveillance to be of a very high order... While a random check is kept on all the frequencies allotted for diplomatic transmissions, a special check is made on countries in which India has a strategic interest, including the neighbouring countries. So good had the Indian systems become that during the 1971 incidents, complete tapes were available of the then Pakistani President Yahya Khan's talks with his officials and army commanders in the erstwhile East Pakistan.

More Frequencies from the Japanese Dial Guide

Thanks to Heihachiro Okamoto, a student at Sophia University in Tokyo, we have the first of what I hope will be a series of translated listings from Sansai Books' Dial Guide (see Dec 82 Newsletter for details). "Hutch" also writes that he loves American FM rock stations and would like to receive tape cassettes of complete broadcasts (commercials, IDs, PSA's left in). Since he's not getting paid for his translations I hope you'll volunteer to tape your local rocker and send it to him c/o Sophia's dorm, 7-1 Kioi-cho, Chiyoda-ku, Tokyo 102, Japan.

kHz	Power	Service/use
1690	1	Electricity/for electric business ops
1691.5	1	Electricity/for electric business ops
1901.5	3	Local govt/for defense against flood--mobile station
1966	10	National govt/forest agency's forest ops
2492.5	50	Police/ground mobile station
2492.5	100	Police/base station
4081.6	?	Public ship/KDD (phone company for international calls) ship station
4137.4	?	Public ship/KDD ship station
4140.5	?	Public ship/KDD ship station
4376	10	KDD coastal station
4431.8	10	KDD coastal station
4434.9	10	KDD coastal station
4936	50	Local govt/emergency response, Hokkaido agency
5325	100	Police/National Police Agency (NPA)
5465	100	Police/NPA
8222.9	?	Public ship/KDD ship station
8229.1	?	Public ship/KDD ship station
8253.9	?	Public ship/KDD ship station
8746.8	10	KDD coastal station
8753	10	KDD coastal station
8777.8	10	KDD coastal station
21410	1	Electricity/9 energy power companies + Okinawa's company
26372	1	Local govt/for local public group (?)
26422	1	Local govt/road for defense against flood/Ministry of Construction, for survey, road control
26446	1	National govt/Ministry of Justice, for corrections
26452	1	Police/NPA
26458	1	Police/NPA
26464	1	Police/NPA

周波数帳

Thanks, Hutch!

Canadian Private Ship/Shore & Ship/Ship SSB Frequencies

From Telecommunications Regulation Circular TRC-14, Issue 2, sent by Guy (CAN-031). First, a summary of the joint US/Canada frequency-sharing plan for the 2 MHz band:

Carrier	Canadian use	US use
2065 kHz	Private ship/shore comms in Canadian coastal areas St. Lawrence River east of Montreal	Nil
2079	Private ship/shore comms in the Great Lakes, St. Lawrence Seaway & River west of Montreal	Nil
2082.5	Intership comms in all maritime areas of Canada including Great Lakes	Primary: intership safety comms in areas other than Great Lakes. Secondary: commercial (operational) comms. Other: ship/shore comms.
2086	Nil	Primary: ship/shore comms on the Mississippi River & inland waters. Secondary: ship/shore comms on east, west & Gulf Coasts + Alaska. Not available on Great Lakes.
2093	Private ship/shore comms in Canadian coastal areas, including St. Lawrence River east of Montreal	Intership comms by commercial fishing vessels in all areas except Great Lakes
2096.5	Nil	Private ship/shore comms in all areas except Great Lakes

Below 30 MHz continued

Carrier	Canadian use	US use
2100	Government	Government
2103.5	Government	Government

The following frequencies are for world-wide common use for ship/shore and ship/ship comms. As above, only permitted emissions are USB (reduced or suppressed carrier). Frequencies given are carriers:

4125.0*	6221.6	12429.2	16590.2	22130.2	*not for intership comms
4143.6	6521.9**	12432.3	16593.3	22133.3	**daytime use only
4419.4	8291.1	12435.4	22124.0	22136.4	
6218.6	8294.2	16587.1	22127.1		Thanks, Guy!

Finally, moving from water to air but still focussing on Canada, Rick Matthew (CAN-002) sent a small correction that's been sitting in my file for months. Because of the severe space restrictions we've been suffering under, I've never been able to squeeze it in--til now: on page 30 of the July 82 Newsletter, the callsign of the Canadian Military Aero station at Victoria was incorrectly given as "RCC". RCC stands for the Rescue Coordination Center. Sorry about that. Thanks, Rick!

Two Stupid Errors in Last Month's Column

The long lead-time this Newsletter demands forced me to conjure up a way to distribute copies of Backscatter, the newsletter of the ANARC OTH Radar Committee, long before I'd actually had a chance to work out the economics & logistics. Turns out it's just not possible to give them away free. So please, send 30¢ and an SASE for each issue you wish to receive. Payment in US stamps is fine. Outside US. send 4 IRC's per issue and no SASE's. Sorry about that. The OTH Radar Committee is c/o my address (see column heading).

Also, I erred in leaping to the conclusion that the electronic throbbing I've heard during "numbers" broadcasts indicates digital data being transmitted. Fact is I don't know what that sound contains or what mode it's in. It does sound a bit like the test transmissions of computer programs that Radio Netherlands began in 1981. Since I'm writing this before the "March" Newsletter has come out, I hope that my hasty conclusion-leaping will at least provoke someone more knowledgeable to send a letter revealing the truth about this intriguing mystery.

In Print

The first installment of the SPEEDX Reference Guide to Utilities has finally been published. The announcement arrived today (7 Feb). Haven't actually seen it yet, but it's supposed to be about 70 pages long, divided into 3 sections: a general overview of radio, propagation, transmission modes, etc.; Morse Code--how to send/receive it, how it's used by utilities; and the first "meat" portion of the Guide--commercial aeronautical services. This first installment is the most expensive one because it includes the loose-leaf binder that will house all the subsequent installments. Overseas orders can be sent without the binder, to cut postage cost. In the US, Canada & Mexico: $8.50 bookrate, $10 first class. Overseas: with binder, $10 surface rate, $16 airmail; without binder, $6 surface, $8 airmail. Publisher John Trautschold adds, "Future sections, as they are available, will cost only a few dollars depending on size of section, etc." Order from SPEEDX, PO Box E, Lake Elsinore, CA 92330. By the way, if you don't already know this, a mammoth log of HF utility intercepts appears every month in SPEEDX magazine. It's so good that it seemed pointless to have a competing log in this column: better to have one super list than two partly-overlapping, twice-costing ones. Subscriptions to the mag are $16 first class in North America, $17 surface mail elsewhere, various higher rates airmail abroad. Samples are $1 to North America, $2 or 8 IRCs elsewhere. Same address as the Utility Guide.

The Dec 81 issue of the IEE Proceedings on Communications, Radar & Signal Processing (Series F) has a nifty article about the Nimrod Airborne Early Warning (AEW) aircraft. The Nimrod is Britain's answer to our AWACS and a small fleet of them are supposed to maintain continuous surveillance of the airspace around the British Isles, over the North Sea and along the coast of Norway. "AEW Nimrod: The Mission System Avionics" by A. C. Leacy gives a stem-to-stern tour of the plane, including cut-away diagrams, flowcharts and photos of one of the six identical monitoring/tracking work stations. Leacy mentions that the Nimrod makes use of a trailing-wire HF antenna for

tactical comms, along with VHF for "air traffic direction". Don't get your hopes up too far, though, as most transmissions are "two-way high-speed digital data". There are, however, "voice communication links with fighters, attack aircraft and tankers." No mention of frequencies used, for some reason...

Another item that's been sitting in my files for a long time that's even more fascinating (though not concerning HF) is Survey and Analysis of Communications Problems in Nuclear Power Plants by D. Topmiller, D. Burgy, D. Roth, P. Doyle, & J. Espey, Jr. Can be ordered from NTIS, Springfield, VA 22161 as DE82900374 for $10.50 on paper or $4 on microfiche. This 95-page report prepared for the Electric Power Research Institute in 1981 tells alot about the communications systems in the plants, and reveals a level of misuse that would be hilarious--if it weren't so frightening. Sounds like "The Marx Brothers Visit Three Mile Island". Let's close this month with excerpts: "To characterize the signal information environment in a control room, during a one-half hour period in plant C, there were 27 alarms that sounded, 7 'cat calls' and 120 announcements on the PA system... In one incident the caller played 'touch tone' on the PA, attempting to play a song using the phone buttons. In other instance someone put the open phone down next to a radio, broadcasting radio music throughout the plant and functionally rendering the PA useless. This incident happened to occur during an emergency condition in this plant... Invariably, the phone cord can be found wrapped around a control knob or switch. When an operator moves this could result in the activation of the switch, or it could pull the handset away from the operator, causing it to drop on the panel. This is clearly not a good practice. One operator assured an observer that the cord never wraps around any controls, while at that moment one cord was dangerously tangled around a switch..." See you next month--I hope!

CANADA

Send Canadian frequency information, radio system details and other information relating to Canadian monitor radio listening and questions to:
Robert Berezowski, 5832 Dalhousie Drive NW, Calgary, Alberta T3A 1T1 Canada.

Welcome readers to the April Canada column. As promised last month I am featuring the B.C. and Alta. Forestry Services. I don't have much time to type the column this month, so please excuse the flubs. If half way through the column I suddenly start talking about fluid thermodynamics, you will know that I got the pages mixed up. Those members interested in the Ontario Ministry of Natural Resources can check my column of January and June 1981 for some information. A lot of members contributed to the information below. You know who you are. Anyone who didn't contribute is certainly welcome to pass on anything they have.

The British Columbia Ministry of Forests has a very large network of repeaters covering the entire province. The system is very busy during the fire season. The frequencies used across the province are given below.

163.830/163.830	
163.890/163.890	
163.935/163.065in	Red
163.965/163.095in	Purple
163.995/163.125in	Green?
164.085/163.215in	Blue
164.145/163.275in	Orange
164.175/163.305in	
164.205/163.335in	Brown
164.265/163.395in	Black?
164.040/164.040	Tanker Net
164.190/164.190	" "
122.400	
122.700	
129.250	
129.650	

Also in use are numerous "miscellaneous" frequencies used in specific locations only. Many of these are links from one site to another.

BC Fish and Wildlife officers can be found on 155.220. This appears to be their only channel. The BC Parks Branch can be found on the forestry channels above, 155.220, or 163.245.

Moving to Alberta, we find that the Alta. Dept. of Energy and Natural Resources also has quite an extensive network, most active in Northern Alberta. This agency oversees Alberta Forest Service (A.F.S.), Provincial Park wardens, and Alberta Fish and Wildlife (F&W).

Harry (CAN-074) sent in a very good list that I have included for this column. The chart comes from an employee of the Parks Division. From Harry's own monitoring he offers these tips in addition to the chart. Repeater inputs and outputs vary, but in the majority of areas one or more of three pairs are used: F1-F2, F3-F5, and F4-F6. Also noted for Fire Link is F7-F14. For Fish and Wildlife they use 151.265(S) or 151.265/152.090in. 171.030 is used for Prov. Parks in East Central Alta. 171.630 is used in West Central and Northern Alberta.

I am sorry to be so brief, but that is about all the information I have that is applicable over the entire respective provinces. I would welcome any other additions to the information. I hope this feature helps anyone travelling through the three provinces. Any comments would also be appreciated. Until next month, best wishes.

TELECOMMUNICATIONS VHF FREQUENCIES

1. VHF/FM ALLOCATIONS

DESIGNATION	FREQUENCY (MHz)	USER AGENCY	RESERVATION
F1	150.470	A.F.S.	FOREST NETWORK
F2	151.910	A.F.S.	FOREST NETWORK
F3	153.110	A.F.S.	FOREST NETWORK
F4	153.470	A.F.S.	FOREST NETWORK
F5	153.890	A.F.S.	FOREST NETWORK
F6	154.250	A.F.S.	FOREST NETWORK
F7	167.070	A.F.S.	FOREST NETWORK
F8	167.610	A.F.S.	FOREST NETWORK
F9	158.970	A.F.S.	FIRE LINE
F10	166.170	A.F.S.	FIRE LINK
F11	171.030	PROV. PARKS	NETWORK
F12	152.090	F&W	NETWORK
F13	171.630	PROV. PARKS	NETWORK
F14	171.900	A.F.S.	FIRE LINK REPEAT
F15	153.815	PROV. PARKS	KANANASKIS
F16	151.265	F&W	NETWORK
F17	154.415	PROV. PARKS	KANANASKIS
F18	152.390	A.F.S.	FIRE LINK
F19	152.930	A.F.S.	FIRE LINK
F20	152.345	A.F.S.	FOREST NETWORK

Athabasca, Peace River and Whitecourt Forests use F10 for Fire Link.
Grande Prairie, Lac La Biche and Rocky Clearwater Forests use F18 for Fire Link.
Edson, Footner Lake, Bow Crow and Slave Lake Forests use F19 for Fire Link.

2. VHF/AM ALLOCATIONS

DESIGNATION	FREQUENCY (MHz)	USER AGENCY	RESERVATION
F30	122.700	A.F.S.	FIRE AIR SPACE CONTROL - STAGE TWO
F31	122,800	A.F.S.	FIRE ALTERNATE AIR/GROUND & AIR/AIR - STAGE ONE
F32	122.900	A.F.S., F&W, PARKS	GENERAL NETWORK

Canada continued

F33	123.200	A.F.S.	FIRE AIR/GROUND & AIR/AIR - STAGE ONE
F34	128.950	A.F.S.	FIRE BOMBING - PRIMARY
F35	129.800	A.F.S.	FIRE BOMBING - ALTERNATE

contact/info wanted

This column has two purposes: to help members contact each other, and to help members obtain information directly from one another on various subjects related to 2-way communications monitoring. If you desire to converse, meet, or correspond with other members by telephone, letter, or cassette tape in a certain geographic area or with members who have similar listening interests, this is the perfect place for you to make known your interests. Remember – those who respond will do so directly, so be sure to provide your phone number, the best time to be called, or your address. Write to: Amy Polivka, 12906 Ohio Circle, Omaha, NE 68164

FLORIDA CONTACT: Attention Collier County members -- Broward County member wishes to correspond and exchange information with you. (12-20-82)
SCOTT GLICKER (FL-033), P.O. Box 17255, Plantation, FL 33318

CALIFORNIA WILDLAND FIRE BUFFS: Member interested in sharing info with others. (12-23-82)
LOYD REEDY (CA-SJ-008), P.O. Box 567, Ripon, CA 95366

ATTENTION EXPLORERS: Member with the Marion County Sheriff's Dept. Explorer Post 942 would like to contact other explorers in the fields of law exploring, EMS, Fire Dept. exploring, search and rescue. Member will respond in writing (preferred) or on cassette tape. (12-29-82)
TIM DELONG (IN-058), 8620 W. 82nd St., Indianapolis, IN 46278 // 317/291-8131 after 11:00 a.m. EST (No collect calls please)

PHILLY DIRECTORY: Member publishing comprehensive scanner directory for Philadelphia area. Needs any frequency, codes and unit numbering lists you can send, especially Delaware County, Salem County, Mercer County, Delaware State, Wilmington area and shore area. Also needs Bucks County police channel assignments.

ALSO -- Same member wishes to contact other members who are hams in New York City and Philadelphia areas to set up a 2 meter net to exchange info. (1-3-83)
CHUCK GYSI (PA-005), N2DUP, P.O. Box 1119, Flemington, NJ 08822-5019, or on 147.975/.375 (Cherryville, NJ)

BC-100 CLUB: Club devoted entirely to BC-100 owners to be formed. Purpose is the exchange of technical information, modifications, improvements, hints, questions and answers, new product data, etc., between owners of the BC-100 only. Interested owners are asked to send SASE to member below. (1-3-83)
HUGH VANDEGRIFT (TX-124), 2308 Zinnia Court, Killeen, TX 76542

CHICAGOLAND AREA: Frequencies wanted that reporters use in the media such as TV, radio and newspapers. (1-3-83)
GEORGE THEODORE (IL-186), 122 N. York Road, Elmhurst, IL 60126

MISCELLANEOUS INFO: Following is a list of items this member needs help with: Mystery agency on 30.05, possibly based in Atlanta; needs freqs of the Florida Marine Patrol; same for Metro Correctional Institute, Metro Fugitive Squad and Metro Traffic Patrol, all based in Atlanta. Also would like codes used by Wink Ambulance, National Ambulance and Metro Ambulance in Marietta-Smyrna, Georgia. Would like 10-code signal code for Georgia Emergency Management Network on 45.56 Mhz. Lastly, he would like to know what Metro Marietta Ambulance uses 47.58 for. (1-4-83)
SCOTT TEXTOR (GA-005), 1185 So. Cobb Dr., #16A, Marietta, GA 30060

AIRPORT HELP NEEDED: San Francisco Airport radio identifiers wanted. (1-4-83)
CLIFF POLKINGHORN (CA-AL-029), 14310 Acacia St., San Leandro, CA 94579

ANNOUNCING!

Without a doubt, this announcement will be the best news of 1983 (and then some)!. A new handheld programmable scanner will be available to our customers in April or May. It is well worth waiting for.

Some of the features are unheard of in a scanner, and put it in a class by itself. Example: 25-550 mhz. continuous coverage. Another example: receives both AM & FM in the above frequency range.

It will also have 20 channels, delay, priority, search, and lockout. The good news doesn't stop here; size will be slightly smaller than the Bearcat 100, and our price will be under retail at $265 + tax.

Plan ahead - make your $25 deposit now for earliest delivery. Visa and Mastercard accepted. Cal. residents add 6% sales tax. We pay U.P.S.

COMMUNICATIONS CENTER

915 NORTH EUCLID • ANAHEIM, CA 92801

714–635–10-33

Paid Advertisement

FCC TOPICS

George DuBois, Editor

FCC news and information of interest relating to two-way communications. Send comments and questions to:
George DuBois, 10048 NE Campaign, Portland, OR 97220

Among recent proposals is one that would allocate four low-band channels for meteor burst communications in the state of Alaska. Meteor burst communications takes place by reflection of radio waves by ionized meteor streams, which occur daily in the atmosphere at heights of 50 to 75 miles. The trails last anywhere from a fraction of a second to a few seconds, but millions of meteors are constantly entering the atmosphere. Data is sent repeatedly at very high rates, hence the name meteor "burst" communication. Under this proposal two frequencies (one for base, one for remote) would be allocated to Common Carriers in the Rural Radio Service. The frequencies suggested are 42.40 and 44.10, neither of which is assigned in Alaska. For Private systems another pair of frequencies, 44.20 and 45.90, would be available. The State of Alaska has indicated it might use meteor burst communication for aviation weather data acquisition from remote weather stations.

The State of Oregon has petitioned the FCC to allow the use of channels in the Forestry-Conservation Radio Service for wildlife tracking telemetry. Oregon has used 44 mHz frequencies for wildlife tracking since 1971, presently with an Experimental license and, as far as is known, has never caused interference to other radio systems. The Commission proposes allowing the use for telemetry of any low or high band Forestry-Conservation channels, with a maximum average power of five milliwatts.

The FCC has released a proposal to provide HF frequencies for long-distance communications in the Power, Petroleum, Special Industrial and Telephone Maintenance Radio services. Use would be limited to persons engaged in exploration in remote areas or engaged in the repair of pipeline, power or telephone facilities. HF frequencies would essentially be for use where no other means of communications is available or for emergency, back-up use, since the 1979 World Administrative Radio Conference has reduced the amount of spectrum available for fixed services. Frequencies available would be from the bands available for Fixed service between 4 and 24.99 mHz.

Owners of 851 mHz repeaters in the Sacramento and San Joaquin valleys and in the San Fransisco bay area have petitioned the Commission to increase the minimum separation standards between stations in these areas. Both these areas have repeaters at high elevation sites on opposite sides of their service areas and, due to the terrain of the areas, their signal areas overlap to the point where some channels are unusable, even though they meet the existing co-channel distance separation criteria (70 miles between stations). (At the same time, the same channels could be used on opposite sides of a mountain range, serving different areas, but can't because of the 70-mile minimum separation requirement.)

In response to a petition by a private company, a proposal was released that would allow the use of the 40.66 to 40.70 mHz band for field disturbance sensors, security devices that detect intrusion by altering a radiated RF field. Field disturbance sensors are presently permitted in a number of bands above 902 mHz, although they can also be operated in any of the Part 15 bands, with lower emission levels. The 40.66-40.70 mHz band is presently allocated for ISM (Industrial, Scientific and Medical) equipment and for telemetry.

The FCC has proposed eliminating individual licensing in the 27 mHz Citizens Radio Service and the 72 mHz Radio Control Radio Service. Doing this will save over $360,000 a year, the cost of issueing and renewing licenses, maintaining records, etc. ITU regulations require administrations to issue licenses "in an appropriate form" ans also requires a unique identifier. The Commission believes this to be an "appropriate form" (?) and proposes to require identification by a vehicle license number or, if the operator doesn't own a vehicle, his

street address (sure!). Radio Control users already need not identify their station. Licensing of R/C stations would also be eliminated, which is the only part of this proposal which seems sensible. The minimum age requirements in both services would also be abolished. The present regulations in Part 95 would still apply (for whatever that's worth), it would just be that no individual authorization would be needed to operate.

Another proposal would allocate TV channel 14 (T-band, 470-476 mHz) for both base and mobile stations in the Domestic Public Radio Service (mobile telephone) in Pittsburg, Pa. In cities that have two TV channels allocated for Land Mobile use (some cities have one channel), the 24 mobile telephone base station channels are in one TV channel, the mobile unit channels in the other, unlike the Private land mobile services, where the spacing between bases and mobiles is 3 mHz, within the same TV channel. TV channels 14 and 18 are presently available for land mobile use in Pittsburg. Common Carriers there assert that channel 18 is unusable due to the potential for interference to TV stations on channels 17 and 19. This change would make the 12 473 mHz channels available for mobile use, paired with base stations on 470.0125- 470.2875 mHz.

Last fall a complete revision of Part 22 (Domestic Public Land Mobile Radio Service) was released. First, for simplification, the Commission wants to rename it the Public Mobile Service. The present name is incorrect in that Public service is provided accross the U.S. bordersand also that it provides no distinction between any other service. There is no International mobile service. And the term "radio" is unnecessary. (There is no wireline mobile service.) Most of the rewrite consists of putting the present provisions into plain language where possible but it will also streamline the application procedure and ease the recordkeeping and logging requirements. One-way paging, now allowed on two-way channels on a secondary basis, would be permitted on an equal basis. Rural Radio Service users would no longer have to obtain their own license but could operate under a Common Carriers authorization. And, Radio Common Carriers could apply for unused Wireline Common Carrier channels (and vice-versa), but only the paging channels and the UHF mobile telephone channels. (The Commission says the VHF mobile telephone channels are "incompatible" for sharing since the spacing between base and mobile frequencies is different for RCCs and WCCs.)

The Commission has released a proposal to amend Part 2 to reflect the changes adopted at the 1979 World Administrative Radio Conference. At this time they will reformat the Table of Allocations, amending it where necessary to reflect the reallocation of certain bands and to delete or reword obsolete or outdated rules.

The FCC has released a proposal to amend the rules pertaining to the UHF "Med" chennels. It would designate 462.950 and 462.975 as "Med 9" and "Med 10", respectively. Med 1 through 8 (463.0-463.175) are identified as such in the Rules, but no designation is made for the two EMS dispatch channels. Also, the requirement that EMS base stations be equiped with at least four of the Med channels would be eliminated.

And, the Commission has proposed a new class of Amateur license, one without a Morse code proficiency requirement. One idea is to eliminate the code test from the existing Technician class, which allows all amateur privileges above 50 mHz. Another idea is to create a new "Experimenters" class license, similar to Canada's Digital Amateur class, which also only permits operation on VHF and higher bands.

I've still got quite a backlog of stuff to get in, but with the current restrictions on column length, I don't know when that'll be. (Don't bitch at me, write to Anaheim!)

Late News Flash

If you've been considering subscribing to any of the FCC Rules, save your money. They are being discontinued. The FCC Rules will soon be issued yearly, shortly after the CFR edition is released. Some Parts may wind up being cheaper, some more expensive. Details soon.

Later News Flash

It looks like the FCC license microfiche will be around for awhile after all. It will be made up from the new computor data, as I mentioned before. The Master Frequency File will contain slightly more information than before, but I have no idea what it will look like or what it will cost. It will be released in late March. I suggest you write to NTIS if you want prices.

FEDERAL GOV'T and MILITARY

Send all Federal Government and Military frequencies (including those of military aircraft), radio system details, and related questions to:
Dennis Biagioli, 607 W. Pleasant Ave., Villa Park, IL 60181

Sensitive frequencies will not be published. Coast Guard material must go to the VHF Marine editor.

Hi! Hope this finds everyone in fine health and spirits. Things are going well at this place, even if a bit hectic. The mailbox is still being filled with copies of those articles describing the $50 million purchase of new radios by the FBI. But, in some stories, other agencies are also mentioned.

STEVE JESTER (KS-011) sends along a "list of all intra-base radio frequencies at McConnell Air Force Base, Wichita, Kansas." Information received from an "inside source" should make the list 100% accurate.

channel	transmit	receive	use
A	148.065	149.565	Commanders
B	149.565	149.065	Commanders
C	163.4625	163.4625	Law Enforcement
D	163.4875	163.4875	Aircraft Security
E	149.205	149.205	Civil Engineers
F	173.5875	173.5875	Fire / Crash
G	173.5625	173.5625	Medical Services (DVP in use)
H	138.075	138.075	O.S.I. (DVP in use)
I	148.545	148.545	Ramp Control
J	148.475	148.475	P.O.L.
K	150.315	150.315	Trans. / D.P.
L	163.5875	163.5875	384th "A"
M	163.5125	163.5125	384th "B"
N	149.475	149.475	Communications
O	413.450	413.450	T.A.A.N. (pager)
P	138.325	138.325	Pager system
Q	142.050	142.050	Missle Ch. 1
R	142.575	142.575	Missle Repeater
S	141.750	141.750	Missle Ch. 2
T	141.625	141.625	Missle Ch. 3
U	141.575	141.575	Missle Ch. 4
V	141.900	141.900	Missle Ch. 5
W	413.000	413.000	Missle UHF Uplink
X	413.050	413.050	Missle Downlink
Y	413.125	413.125	Missle Downlink

BOB TRIVALOS (WI-026) sends the following UHF-Aircraft listings:

AFRES COMMAND POSTS

Andrews AFB,MD	351.2	143.80	
Bergstrom AFB,TX	314.2		924th TFG "Abbreviate"
Carswell AFB,TX	252.1		
Chicago/O'Hare Intl,IL	252.1		928th TAG "Voter Control"
Grissom AFB,IN	354.2		434th TFW
Homestead AFB,FL	252.8		301st ARRS "Rescue Ops"
	364.0		93rd TFS "Mako Ops"
Kelly AFB,TX	252.1	143.80	433rd TAW
Keesler AFB,MS	385.9		815th WRS "Teal Ops"
March AFB,CA	252.1		
Mather AFB,CA	351.2		"Darr Control"

Federal Government/Military continued

Niagara Falls Intl,NY	340.8		914th TAG	"Carbonate"
Pittsburg Intl,PA	252.1		911th TAG	"Trice"
Portland Intl,OR	252.8	138.45		"Ops Con"
Richards-Gebaur AFB,MO	252.1		442rd TAW	"Beach Ball"
Rickenbacker ANGB,OH	252.1		907th TAG	"Call Card"
Robins AFB,GA	252.1			"Gun Runner"
Westover AFB,MA	252.1		439th TAW	"Casino Royale"
Willow Grove NAS,PA	351.2	138.90		

++

SAC Bomb Plot Units

Use=Score Simulated Bomber Attacks & Related Activities

Bayshore,MI	356.8	"Bayshore Bomb Plot"
Big Lake,TX	300.6	"Big Lake Bomb Plot"
Circle,MT	279.9	"Circle Bomb Plot"
Forsyth,MT	258.2	"Forsyth Bomb Plot"
Gillette,WY	238.6	"Gillette Bomb Plot"
Green River,UT	304.3 P 280.8 S	"Green River Bomb Plot"
Hereford,TX	264.6	"Hereford Bomb Plot"
Little America,WY	385.7	"Little America Bomb Plot"
Mt. Vernon,TX	258.2	"Mt. Vernon Bomb Plot"
Powell,WY	234.8	"Powell Bomb Plot"

PHIL LAVETTE (CO-022) sends a few used in Northeastern Colorado:

164.1750	USPS	Denver
163.4125	AR	Corps of Engineers, minor daytime usage
163.5875	AR	Ditto, day and night traffic
171.9250	I	Telemetry

I have an extensively researched list of Army National Guard frequencies that I received, but no member identification appears on the original.

Freqs.		Location
46.75		Akron, OH
41.00		Albany, NY
36.80	241.80	Austin, TX
41.20		Bangor, ME
38.70		Birmingham, AL
49.80		Bismarck, ND
40.60	241.00	Boone, IA
41.00		Burlington, VT
41.90		Camp Grayling, MI
139.20	241.00	Camp Robinson, AR
42.00		Camp San Luis Obispo, CA
38.70		Chicopee, MA
46.80		Columbus, OH
46.65		Concord, NH
40.60	241.00	Davenport, IA
41.00		Dover, NJ
229.40	241.00	Edgewood, MD
51.15		Falmouth, MA
52.75		Ft. Belvoir, VA
36.20	226.60	Frankfort, KY
255.80		Fresno, CA
41.85	241.00	Grand Ledge, MI

Federal Government/Military continued

36.50	40.65	Helena, MT
46.80	242.60	Hensley Field, TX
41.00		Houston, TX
41.00	241.00	Islip, NY
241.00		Jackson, MS
40.90	248.20	Jacksonville, FL
46.70		Jefferson City, MO
41.00		Knob Noster, MD
38.50	242.40	Lincoln, NE
41.00	241.00	Linden, NJ
65.05		Los Alamitos, CA
40.80	347.70	Madison, WI
40.30		Montgomery, AL
40.90		New London, CT
40.90		New Orleans, LA
41.00		Niagra Falls, NY
49.70		Phoenix, AZ
49.95		Raleigh, NC
40.40		Reno, NV
40.20		Richmond, VA
41.00		Sacramento, CA
40.90	241.60	Salem, OR
49.95		Salisbury, NC
48.80		Salt Lake City, UT
49.85	247.40	San Antonio, TX
34.90		Santa Fe, NM
139.10	241.10	Shelbyville, IN
49.80		Smyrna, TN
38.45	241.80	Springfield, MO
49.00		Stockton, CA
41.70		Topeka, KS
41.00		Trenton, NJ
46.90		Tulsa, OK
49.90	241.00	Tupelo, MS
40.60		Waterloo, IA
40.80	41.60	
	241.00	West Bend, WI
38.60		Wilmington, DE
34.00		Winder. GA
41.90		Windsor Locks, CT
41.50		GUARD CHANNEL -- emergency usage, also used as calling channel to other Army units.

As hard as it may be for me to believe, with snow blowing around my ears, it won't be long until vacation time rolls around. Many of us are already making plans to visit some of our beautiful National Parks or National Forests. And don't forget Presidential Libraries and Museums. Well, how about that for a project for all of us to become involved in. Let's compile a radio directory for our "tourist traps." I have before me a "Guide and Map, National Parks of the United States." Oh, what a list! Surely a large number of members have found listening in many of these. So, let's put my Apple Computer to work and see what we can piece together. I will be taking in a few myself while touring with my drum and bugle corps, and certainly would like to listen in while at Yellowstone, Mt. Rushmore, Badlands Nat'l Park and several others.

If you have a copy of the Federal Frequency Directory, rememberthat the National Park Service is a part of the Department of the Interior, and National Forests are under Agriculture. Presidential Museums are Park Service, Libraries are G.S.A. Please indicate whether or not frequencies are definitely confirmed or listed elsewhere.

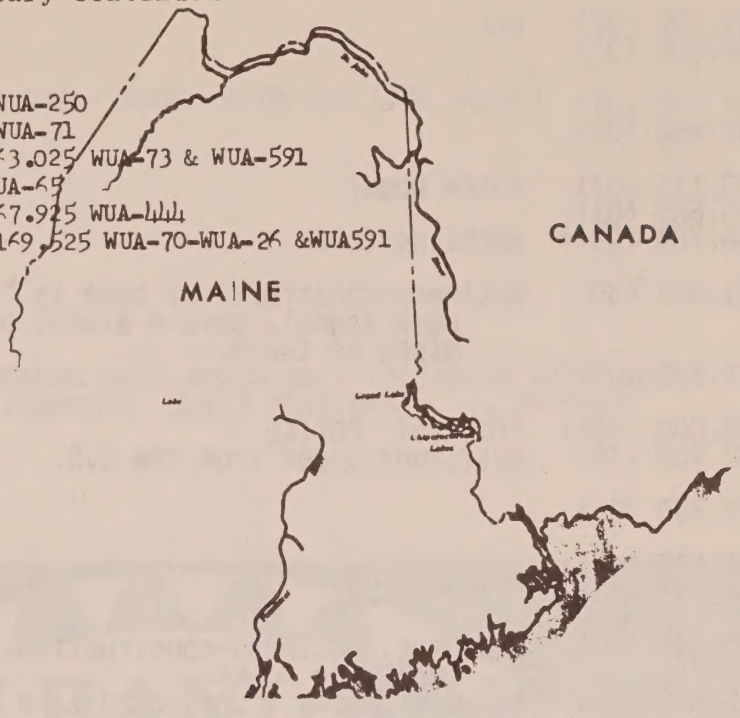
Also, if you have a home computer and are using it in conjunction with frequency data management, I'm sure other computer owners would be interested in what is being used. It can be a great tool, and if you have an effective system, perhaps you would like to share its details with the rest of us.

NEW ENGLAND DIVISION FLOOD CONTROL PROJECTS LOCATION

168.125 Mt. Ascutney
167.925 To mobiles
164.025 Goshen Ct.
163.4375 Cape Cod Canal
163.125 Mt. Wachusetts

Federal Government/Military continued

Barkhamsted 168.325-163.4125 WUA-250
Colebrook 168.125-167.925 WUA-71
Goshen 169.525-168.125-163.025 WUA-73 & WUA-591
Mansfield 167.925-168.125 WUA-69
Middlebury 168.325-163.025-167.925 WUA-444
Thomaston 168.125-163.4375-169.525 WUA-70-WUA-26 &WUA591



We'll close this month with a map from ELMER STANLEY (RI-???) of the New England Division Flood Control Projects Locations. Have a good month, and dust off those lists of National Park, Forest and Historic Sites, Libraries and Museums frequencies and send them in so we can get them into print before vacation season!

73's -
Denny

International

This column is for reporting two-way communications frequencies above 30 MHz, radio system details, monitoring experiences, and any other information relating to monitoring in countries other than the United States and Canada. Send to: Rickey Stein, 456 Barrymore Place, North Brunswick, NJ 08902.

FREEPORT, GRAND BAHAMA ISLAND

PART TWO

Last month I attempted to give you some backround into radio activity in Freeport, Grand Bahama Island. Here now are the channels on which I observed activity. The activity number (after the frequency) is based on the count registered by the BC 250. Unfortunately, there were no identifications given on any of the monitored transmissions- no calls, no names. Since the Island is small and there are only two taxi cab companies, identification came from listening to the voices and cab numbers. I then matched these up while riding in the cabs. One transmitter was particularly noisy and easily recognizable.

45.390 (02) unk
46.800 (01)

147.400 (01)
147.800 (01)

150.115 (07) voice pager
150.685 (01)
150.700 (99+) warbling tones

151.035 (30) Business-construction: base is "Control", "Ocean-1"-a weak signal, gave a Bimini phone number, weak unit might be there.
151.325 (01)

152.000 (99+) "Control" POLICE
152.240 (30) multitone pager from the U.S.

153.390 (01)

154.425 (04)
154.515 (14) "Base to 22"

155.400 (52) Repeater, Business-construction, "Ocean-2", also tone and voice pager.
155.630 (99+) Repeater, some trans sound like Security ops, also pos. Electric Co.-talked about meters, turning on service, etc. from "Accounting", wkg "26","28", also a single tone pager
155.910 (50) Repeater from U.S.?

156.430 (22)
156.600 (++) Marine channel
156.650 (++) Marine channel
156.700 (++) Marine channel

158.190 (01)
158.745 (46) Business

160.200 (++) G.B. Taxi Union, base, paired with 164.700, bad hum , sloppy modulation-slops over to .210

161.190 (07) see 161.200
161.200 (15)
161.950 (31) Repeater?- Marine channel, tanker wkg Nassau Radio

163.000 (++) Freeport Taxi Company, base, paired with 167.500
163.650 (30) sounds like Business
163.660 (01)

164.600 (30) trucking outfit?, weak signal,base is"Bahamia"-numerous phone listings for 'Bahamia'
164.700 (++) mobile to 160.200, G.B. Union Taxi

165.020 (09)
165.275 (01)
165.300 (10) single tone pager
165.580/5 (20)

166.080 (20)
166.390 (++) open carrier, local repeater?,local units-"Delta-1", checked meter number... ALSO heard US activity here, possibly in Miami, comms ended with "K"-a closing commonly heard in N.Y.C. on pub. serv. stations. Activity was a surveillance- could this be gov't. It was suggested that a local repeater is picking up the US S.S. signal and putting it out here. Very noisy channel!

167.500 (++) mobile to 163.000 Freeport Taxi

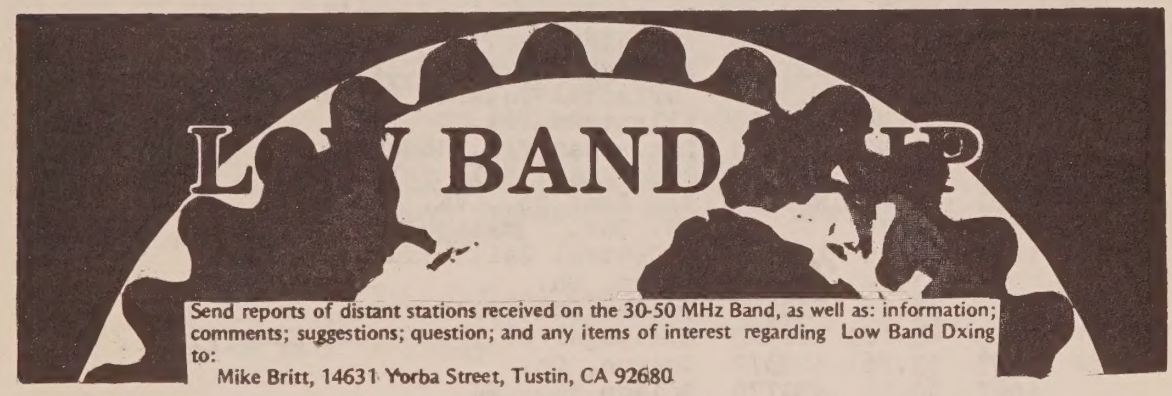
International continued

168.115 (01)
168.155 (01)
168.190 (05)
168.850 (28) two tone pager-heard with American accent
168.990 (05)

172.445 (15)
172.510 (39) tone
172.925 (09)

173.700 (04)

A bit more on the Bahamas next month as I finish up with some final thoughts and comments. Until next month.... להתראות


BAND
Send reports of distant stations received on the 30-50 MHz Band, as well as: information; comments; suggestions; question; and any items of interest regarding Low Band Dxing to:
Mike Britt, 14631 Yorba Street, Tustin, CA 92680

All times, PDT; all Bearcat 250, MON-51 mag. mount, indoors.

FROM GEORGE (OR-001)

9/29	1512	33.16R	KWY 348	Guam Cable TV Co.	Agana
	1820	33.55		U.S. Army	Korea
10/1	1558	33.44	WDF809	Canton, Ga.	"Cherokee Co."
	1629	33.94	KGD273	Hickory, Md.	
	1700	33.70	WZX412	Cherry Hill Twp,Pa.	"Indiana Co."
	1706	32.96		paging Argentina	
	1707	33.06	KGA842	Washington, DC	
	1730	33.56	KUG740	Ephrata, Pa.	
	1730	33.70	WYR629	Westmoreland Co., Pa.	
10/2	0900	33.90	KBP749	Hedgesville, W.V.	
	0900	33.94	KGD237	Temple, Pa.	
	0903	33.90R	KQI316	Hamilton Co.,Oh	(what a catch, huh?)
	0944	33.90	KKL552	Fenton, NY	
	0955	35.50		Philadelphia mobile fone	
	1000	33.68	KCA695	Manchester, NH	
	1000	33.74	KGD273	Hickory, Md.	
	1003	35.70	WXG626	AB Collier Co, Nashville, Tn.	
	1102	38.89		Corps of Engineers Ark., I think	
10/3	1128	39.38R	(KEB237)	Nausau Co., NY	"Headquarters"
	1128	39.48	"	"	"
	1151	39.22	"	"	"
	1154	37.84	KQC370	Monongahela Power Co.,Parkersburg,WV	
	1157	35.42		Pittsburg mobile phone	
	1200	33.98	KGE625	Summit Twp.,Pa.	
	1200	33.98	KGE899	Union City, Pa.	
10/5	1646	33.52	KCE264	Willbraham, Ma.	
	1649	33.52	KCF790	Brimfield, Ma.	
	1700	33.52	KIJ528	Houston, Tx.	
	1706	33.48	KEH912	Ellenville, NY	
	1715	33.16	KWY348R	again	
	1730	33.06	KGA842	"	
	1735	33.36	WXP217	Exxon Comm.	Eugene,Is, Gulf of Mex.

Low Band Skip continued

	1745	32.23		D.C.
10/6	1728	33.92	KGN512	Westminster, Md.
	1731	33.44	KYC206	Paramus, NJ
	1736	35.48	KNAL265	Robin Towing, Harvey, La.
10/7	1605+	37.62		spanish paging, Argentina
10/8	1600	33.94	KFN530	New Orleans, La.
	1600	33.94	KQP575	Gretna, La. (+KQT903, KZJ881)
	1010	37.86	KVH961	Alabama Power Co. Pell City
	1011	35.50		Uniontown, Pa mobile phone
	1015	38.85		Fort Dix, NJ M.P.s
	1018	33.16	KLZ275	Glenbrook Auto Parts Glenview, Il
	1019	35.08	KWR928	Rapp Landscaping, Amelia, Oh. "Amelia base"
	1033	37.76	KIE383	Alabama Power Mobile
10/11	1529	37.10	WXF805	Jackson Co., Sylva, NC
	1600	33.44	KZK276	Cherokee Co., Acworth, Ga.
	1632	33.92	KGD537	Ross Township, Pa.
	1700	33.98	KGE450	Lehigh Co., Allentown, Pa.
	1700	33.74	KQG402	Neapolis, Oh.
	1702	33.68	KRO238	Humble, Tx.
	1738	33.30	KKH558	Sohio Gulf of Mexico
10/12	1531	33.76	KYO430	Hunterdon Co.,Cherryville, NJ
	1633	37.18	KLM616	Powhatan, Va.
	1645	37.78	KFY663	Alabama Power Co. Irvington
	1712	39.22,39.34		Oriental-Taiwan? (tape enclosed)
	1730	33.48	KGE450	Allentown, Pa.
	1744	33.90	KCP423	Ponderosa VFD, Houston, Tx.
10/14	1624	35.16	KBB529	Cincinnati Bell Telephone
10/18	1502	39.42	WZJ329	New Kent Co., Va.
10/19	1600+	42.10		S. Car. State P.D.
	1650	35.16	KGZ537	S.Central Bell, Haughton, La.
	1700	33.74	KQA880	Akron, Oh.
	1800	33.78	KGC522	Sussex Co., Georgetown, De.
10/21	1639	43.10R	KUA345	M.K.Sugar Co.,Pepeekeo, Hawaii
10/24	1647	33.76	KQE372	Oregon, Oh.
	1647	33.56	KEG776	Edison Twp.,NJ
10/26	1610	39.58	KNFA338	Albany Co.,New Scotland, NY
	1612	43.10R	KUA249	Castle & Cooke Wahiawa, Hawaii

CHUCK (Ill-141) Southern Illinois Scanners: Bearcat 250's

31.48 Base/Ship — Shipping (call?) Atlantic Ocean approx. 2700mi. 17:00 CDT 10/10/82 Land base at Island del Carmen, Mexico "Gulf Fleet 14, this is Gulf Fleet 105. We have 102 in tow for delivery to Bombay. Present position is 56°10'8" longitude, 28°56'2" latitude."

41.885 Radio — Broadcast(STL?)(call?) origin may be Colombia Commonly heard when F2 skip is active. "La Radio Columbia." News/sports/commercials

31.76 Base/Rig — Offshore Drilling Rigs "WRS405" Gulf of Mexico approx. 800mi. 18:50 CDT 10/3/82 Land base at Winnie, Texas "JFP Rig 3, come in Rig 3,this is Port One."

42.20 B/M — Oil Transport (call?) San Fernando, Trinidad Island 2550mi. 10:20 CDT 10/13/82 Base ID's as San Fernando Transport. McCulloch Oil Co.

32.17& 32.12 B/M — Chauffeuring? (call?) Kingston, Jamaica 1700mi. 9:40 CDT 10/13/82 "Mobile 4, this is Kingston Base. You have two runs from CIE. They're at the airport trying to locate you."

42.90 Base/Rig — Offshore Drilling Rigs (call?) Galeota Point, Trinidad Island approx. 2555mi. 12:00 CDT 10/18/82 "Stark Point, come in McCulloch One. Rig 17 is down 3550 feet." McCulloch Oil Co.

32.45 B/M — Coal Mine? (call?) Spanish Town, Jamaica 1700mi. 11:15 CDT 10/20/82 "Base to 3, this is Galvanized."

31.77 B/M — Security Guards ? (call?) Jamaica 1700mi. 11:20 CDT 10/20/82 "Base, Officer 10. Did the Jersey people come back this morning?"

34.00 R 36.00 input B/M — Trucking (call?) Vancouver, British Columbia, Canada 1900mi. 16:00CDT 10/21/82 "Base to 4. Have one going out to Blue Mountain Logging. Can you give me a break? It's only 9,000 pounds." Note: Repeater has 4 second delay.

36.87 R / 33.86 input — Foreign Repeater (call?) Origin unknown 13:00 CDT 10/21/82
American Fire Service broadcasts were being repeated on this frequency, 36.87MHz. The input was deduced from the Fire Service call signs and may actually be 33.87MHz. Repeater has 3 second delay.

36.90 R / 33.90 input — Foreign Repeater (call?) Origin unknown 13:00 CDT 10/21/82
Two way American Fire Service skip. "KQI316, Cincinati, Ohio" Repeater has 3 second delay.

36.97 R — Foreign Repeater (call?) Origin unknown 13:00 CDT 10/21/82
Two way U.S. Fire Service skip. Repeater has no delay. Input frequency has not yet been determined, but may be 33.96 or 33.97??? ED note: Origin of 36.87, 36.90, and 36.97 is suspected to be Venezula. European skip appears to have also been repeated over 36.97 in Nov.-Dec. '82.

The following skip reception report from Chuck (IL-141) is for skips he received in November of 1982. Chuck notes that there is an obvious time pattern to when he is receiving skip from certain areas. I will be talking about such time patterns, as well as dealing with other aspects of determining from where and at what time of day you can expect to receive solar-related F_2 skip, in a couple of months, just before we get into the next F_2 skip period in September. For this report, chuck notes that the stations from the West Indies (BIWI ENGLISH) were received anywhere from 08:00CST to sunset, CST, in Illinois. The Canadian skip (from WEST of Chuck's location) was heard from about 11:00CST until about an hour after dusk at his location.

Chuck (Ill-141) Southern Illinois Scanners: Bearcat 250's

34.32 B/M — Transport (XOV230) Edmonton, Alberta, Canada approx. 1600 mi. "Base to 15-38. Load the plywood on the banana boat for Regina." Note: Arnold Brothers Transport. Bases are also at Calgary, XOV34, and Dundas, VCW353.

34.38 B/M — Road Work (XOV31) Regina, Saskatchewan, Canada Note: Arnold Brothers Tranport. Speech inversion scrambling has also been heard on this frequency.

34.42 B/M — Water Line Trenching (XNM281) Edmonton, Alta., Canada
Note: Northside Construction. Base at Red Deer, Alta.

43.295 Radio — Broadcasting Radio Canada International This is a primary image of 21.695 MHz. Other R.C.I. frequencies: 17.820; 15.325; 15.315; 11.935; 11.915; 9.555 MHz. (ED note: HF image, as mentioned in Feb. '83 L.B.S. Column).

31.85 / 31.90 / 31.92 B/M — Importer? (call?) Jamaica approx. 1700 miles "Base to DCO-6. Cedar Construction got the wrong doors!"
Note: The frequency 31.85 hasn't been used much due to South American skip! The main channel is 31.90 MHz.

(Bookmaking-betting offices)
31.95 / 32.10 / 32.55 B/B — Horse/Dog Gambling (call?) Jamaica "Come in Crossroads. This is Sales." "Rare Pleasure 69 by 30 by 2 ; So Spectacular 73 by 4 by 2 ; Patches 96 by 14 by 11; 543214723." "Second horse, #5, Time Table, pays $3.03."

34.20 B/M — Tourism? (call?) Jamaica "Kings Plaza to 5. Pick up those people at the Jamaica Hilton at 12:00."

34.22 B/M — Oil Tankers (call?) Caribbean Sea "Tanker 4, this is Tanker 1!"
Note: Service trucks use "SB" designators. Base may be Jamaica.

42.40 B/M — Construction (call?) Trinidad approx. 2550 miles "South Base to DC-3. How many blocks will you need?"

42.70 B/M — Petroleum (call?) Trinidad "DS-2 to DS-1. Tomorrow we will escort a tanker to Seamuca."

Water Co.
44.27 R — Pipeline (call?) Fyzabad, Trinidad "50-50, come in King's Wharf." "Control Lab standingby for Mr. Hill."
Note: Repeater has 3 second delay.

German conversations have been regularly monitored on the following list of frequencies. This F2 skip is active only from 9:00 till 11:00CST.

34.76; 34.78; 34.80; 34.82; 34.84; 34.86; 34.88; 34.90; 34.92 MHz.

Low Band Skip continued

Origin of this propagation is unknown. No other German has been monitored in the 30-50 MHz. band.
(ED note: from a tape sent by Chuck, 34.86 and 34.90 have been confirmed to be German language from West Germany. 34.78 seems to be Russian - this one has been forwarded to a more knowedgeble source for conformation. The others remain up for scrutiny, as Chuck wasn't able to capture them on tape. This is an example of "double hop" F_2 skip, received during the peak of November, 1982).

Marketplace

Gary M. Darcy, Editor

Members may advertise, free of charge, items wanted, items for sale, and items for trade that are associated with the hobby of monitor/utility radio listening. No dealer ads will be accepted for this column. RCMA assumes no responsibility for the outcome of any transactions between members resulting from ads printed in this column. Send to:
RCMA MARKETPLACE, c/o Gary M. Darcy, P.O. Box 1329, Palmdale, CA 93550.
Please be sure to include your membership number.

All Marketplace ads will be accepted ONLY on special forms available from this column's editor. Send a self-addressed STAMPED envelope (business size) to the address above to receive a supply of forms. Foreign members do not need to include postage on envelopes they send.

EDITOR'S COMMENT: The MARKETPLACE column is for advertising EQUIPMENT items related to the hobby of monitor radio listening. If you have INFORMATION you are willing to share with other members, such as frequencies, then you should make use of the CONTACT/INFO WANTED column. That column is edited by Amy Polivka. You will find her column elsewhere in this Newsletter.

Occasionally I will receive material intended for Amy's column. In turn, she has been receiving material intended for my column. Please make sure that you are sending your requests to the correct editor. This will avoid delays in getting your ad/listing printed.

When sending in material to be printed in the MARKETPLACE column, please remember that ads will be accepted ONLY on special forms. Send a self-addressed stamped envelope to this column editor and some forms will be sent.

* * * * * * * * * * * * * * * * *

FOR SALE: Antenna Specialist ASPC 721 mobile whips. 3/8" mount. Have 5. Low band; orange fiberglass whips with springs, coils & mounting hardware. $15.00 each/$60.00 for all 5. Will ship UPS COD. Contact: CHUCK O'CONNOR (CA-SC-017), 1833 Germaine Ct., San Jose, CA 95122 or phone 408-279-0548. (1-24-83)

FOR SALE: Fanon/Courier SCMA I. Adapts Cop-Scan pocket scanner for under dash use; w/monitor crystals (SASE for list of frequencies) @ $3.00 each. $39.95 for SCMA I. Contact: KIRBY NISH (NV-013), 6230 Pursia Rd., Carson City, NV 89701. (1-3-83)

FOR SALE: Collins R390A general coverage receiver. $325.00. Contact: JOHN STRAND (CA-KE-017), 8936 Ponderosa St., Bakersfield, CA 93306 or phone 805-366-0338. (1-24-83)

FOR SALE OR TRADE: Motorola MOTRAC. VHF Hi Band; w/accessories. Excellent for mobile monitor receiver. Will trade for ACTR106 scanner. $100.00. Contact; JOHN STRAND (CA-KE-017), 8936 Ponderosa St., Bakersfield, CA 93306 or phone 805-366-0338. (1-24-83)

FOR SALE: Grove Enterprises CVR-1A Scanverter. 225-400 mhz. Unit has built-in pre-amp, and includes batteries for back-up power. Includes all accessories, cables & instructions. Will include instructions for peaking to your frequencies. Unit can also receive 220 mhz ham band with some loss of sensitivity. Unit is only 5 months old. $90.00. Contact: GERRY KERNS (CA-OR-193), 1250 south Sycamore, Santa Ana, CA 92707-1293 or phone 714-834-1805 0800-2100 PT. (12-29-82)

FOR SALE: Info-Tech Model M-200-F. CW/RTTY Decoder; latest model; 175/425/850 shifts plus variable shifts; CW-6-55 wpm plus higher speeds with user adjusted auto speed tracking and word space adjustment; RTTY-45/50/57/74/100 Baud; ASCII-110/300 Baud; selectable printer outputs; like new. $400.00. Contact: ROBERT A. LEARY (OH-093), 67 Eber Ave., Akron, OH 44305 or phone 216-376-2402. (1-10-83)

FOR SALE: Bearcat BC 2/4 AC Thinscan UHF Aircraft pocket scanner. Excellent condition. $90.00 or best offer. Also have 4 crystals for unit @ $3.00 each; SASE for list of frequencies. Contact: CHUCK O'CONNOR (CA-SC-017), 1833 Germaine Ct., San Jose, CA 95122 or phone 408-279-0548. (12-30-82)

FOR SALE: Bearcat 350. Less than a year old; still under warranty; hardly used. $300.00. Contact: JOHN DAVIES (CA-OR-235), 401 Piazza Lido, Newport Beach, CA 92663 or phone 714-751-9936. (1-3-83)

FOR SALE: Motorola R-1121/TRC-87 UHF-AM Receiver. 225-400 mhz. Unit has direct frequency entry, in .05 mhz steps. Unit is fully operational and has been modified with: a built in 120 VAC power supply, built in speaker, built in RF pre-amplifier, wood-grain finish cabinet. $395.00. Contact: BRAD R. WHITE (UT-002), 784 Scott Ave., Unit B, Salt Lake City, UT 84106 or phone 801-487-0432. (12-5-82)

FOR SALE: Bearcat 220. $175.00 or best offer. Contact: CHRIS DEVENDORF (CA-OR-050), 29261 Buckhaven, Laguna Niguel, CA 92677. (1-6-83)

FOR SALE: Kantronics Mini-Reader. Covers RTTY, CW, ASCII. All accessories included, plus World Press Service book. Only 3 months old; excellent condition; hardly used. $225.00. Contact: JOE BURNS (PA-139), 2040 Faunce St., Philadelphia, PA 19152 or phone 215-745-3698 or 215-745-2136. (1-5-83)

FOR SALE: SBE Optiscan 10 channel programmable scanner w/accessories, needs some work. $50.00. Also, non-Bearcat type crystals. $1.00 each. SASE for list of available frequencies. Contact: CARL GUSE (WI-054), 110 Riverview Heights, Mayville, WI 53050 or phone 414-387-5233. (12-6-82)

FOR SALE: Realistic PRO-2001. $200.00. Contact: L.P. BENJAMIN (CA-SR-002), 3986 Mesa Circle #201, Lompoc, CA 93436 or phone 805-733-4269. (1-19-83)

FOR SALE: Grove Enterprises, Inc. FTR-2 Scanner. $30.00. Used three months before going into military service. Contact: JEFFERY HOOPER (GA-027), Pleasant Hill Rd., Blairsville, GA 30512. (1-28-83)

FOR SALE OR TRADE: Bearcat 250. $175.00. Panasonic RF-2800. $100.00. Will consider trade for PRO 2002 or PRO 2001 or other VHF or UHF aircraft radio. Contact: JAN FINE (FL-010), 19557 N.W. 55 Circle Pl., Miami, FL 33055 or phone 305-624-3370. (1-28-83)

WANTED: Any 6mhz to 20mhz or 200-400 mhz military surplus gear. Send details. Contact: LOYD REEDY (CA-SJ-008), P.O. Box 567, Ripon, CA 95366 or phone 209-599-4981. (1-14-83)

FOR SALE: Panasonic RF-2200. 8 band SW-AM-FM portable receiver w/BFO; excellent condition. $95.00. Contact: BILL DOYLE (CA-ME-015), 315 Redwood Ave., Corte Madera, CA 94925 or phone 415-924-0391 after 1700 PT.

FOR SALE: Craig Scanner 4354. 10 channel w/priority and extra weather channel; 3 band; AC/12VDC mobile power hook-up; separate VHF/UHF telescopic antennas; mobile bracket included; 10 crystals included; superb audio output. $135.00 postpaid. Contact: LOUIS CAMPAGNA (PA-024), 9724 Bridle Rd., Philadelphia, PA 19115. (12-27-82)

FOR SALE OR TRADE: Fannon Courier 6HLU Slimscan. $90.00 or best offer. Will trade for Regency R-106 or comparable mobile scanner. Contact: JOHN STORCH (CA-OR-116), 2706 N. Linwood Ave., Santa Ana, CA 92701 or phone 714-639-5394 or 714-633-0506. (12-21-82)

WANTED: Regency ACT-E-16 H/L/U Scanner or Regency K-500 Scanner. Let me know your asking price and condition. Contact: DENNIS RUDA (NY-057), 42 Harry L Dr., Johnson City, NY 13790. (12-27-82)

WANTED: GE 4ER6 Series FM Receiver for 40 - 50 mhz. Contact: CHUCK O'CONNOR (CA-SC-017), 1833 Germaine Ct., San Jose, CA 95122 or phone 408-279-0548. (1-24-83)

FOR SALE: California Ambulance patches. $1.00 plus a SASE. Only a few left. (Editor's comment: these are the same patches that were offered by Chuck in the October '82 Newsletter. California Ambulance is now out of business. The patches have an appearance similar to that of the California Highway Patrol.)

Contact: CHUCK O'CONNOR (CA-SC-017), 1833 Germaine Ct., San Jose, CA 95122 or phone 408-279-0548. (1-24-83)

FOR SALE: NRI VTVM. $25.00 or best offer. Will ship UPS COD. Contact: CHUCK O'CONNOR (CA-SC-017), 1833 Germaine Ct., San Jose, CA 95122 or phone 408-279-0548. (1-24-83)

FOR SALE: Motorola PA 8098 FM Receiver (tube type). 110 VAC; currently on 42 - 44 mhz; needs speaker. $30.00. Contact: CHUCK O'CONNOR (CA-SC-017), 1833 Germaine Ct., San Jose, CA 95122 or phone 408-279-0548. (1-24-83)

FOR SALE: Government surplus AM 914 TRC. 225-400 mhz amplifier-converter with power transformer. $50.00 or best offer. Will ship UPS COD. Contact: CHUCK O'CONNOR (CA-SC-017), 1833 Germaine Ct., San Jose, CA 95122 or phone 408-279-0548. (1-24-83)

FOR SALE: Sonar FR 2515 8 channel scanner w/priority. $35.00 or best offer. Will ship UPS COD. Contact: CHUCK O'CONNOR (CA-SC-017), 1833 Germaine Ct., San Jose, CA 95122 or phone 408-279-0548. (1-24-83)

FOR SALE: Motorola 12 VDC/15 W power speaker. $65.00. Will ship UPS COD. Contact: CHUCK O'CONNOR (CA-SC-017), 1833 Germaine Ct., San Jose, CA 95122 or phone 408-279-0548. (1-24-83)

FOR SALE: Bearcat BC-100. Excellent condition; includes accessories. $300.00 or best offer. Will ship UPS COD. Contact: CHUCK O'CONNOR (CA-SC-017), 1833 Germaine Ct., San Jose, CA 95122 or phone 408-279-0548. (1-24-83)

FOR SALE: Yaesu FRG-7700. Has built in 12 channel memory. Like new. $375.00. Contact: ROBERT COBURN (NH-003), RFD-4 N. Tinkham Lane, Londonderry, NH 03053 or phone 603-432-2615. (1-25-83)

FOR SALE: SSB squelch adapter. Plugs into external speaker jack; activates recorder. May be used with any SSB communications receiver. $89.00. Contact: ROBERT COBURN (NH-003), RFD-4 N. Tinkham Lane, Londonderry, NH 03053 or phone 603-432-2615. (1-25-83)

FOR SALE: JIL SX-200. Like new; includes AC adapter, manual & mounting brackets. Covers 26-88, 108-180, & 380-514 mhz. In original carton. $275.00 or best offer. Contact: ROBERT HORVITZ (CT-048), 54 E. Manning St., Providence, RI 02906. (1-25-83)

FOR SALE: Western Reserve RF-204/U. New; Ni-Cad battery & charger; ready to use. $80.00. Contact: MICHAEL P. MURPHY (CA-SD-033), 11621 Valle Vista Rd., Lakeside, CA 92040 or phone 619-561-2726. (1-20-83)

FOR SALE: Realistic PRO-2020. 20 channel programmable scanner, mobile mount, antenna, AC/DC power cords. UHF Hi/Lo, VHF Hi/Lo. 2 months old, used a couple of hours. List price $300.00. Asking $150.00 plus UPS shipping. Contact: MIKE KLEMENS (CA-SM-022), 3208 Los Prados, San Mateo, CA 94403 or phone 415-341-1747. (1-22-83)

FOR TRADE: Regency K-500. 6 months old. Want to trade for Bearcat 210XL or 220. Must be in good condition. K-500 has too many features I don't use. Contact: GEORGE BROSCH (MO-067), 2001-A Cherokee St., St. Louis, MO 63118 or phone 314-772-0535. (1-30-83)

FOR SALE: Realistic PRO 2001. 16 channel programmable. $150.00. Contact: DAN KOSKO (OH-005), 19509 Beverly Ave., Maple Heights, OH 44137 or phone 216-581-1373. (1-26-83)

FOR SALE: Panasonic RF-2900. Excellent condition; UPS shipping to USA included. $160.00. Also, Radio West Ferrite Loop. Includes 22" bar & MW, LW & SW coils; UPS shipping to USA included. $110.00 or best offer. Contact: JIM UERLINGS (OR-024), 3908 Kelley Dr., Klamath Falls, OR 97601 or phone 503-884-7659. (1-25-83)

FOR SALE: Hammarlund HQ 160. Excellent condition. $125.00. Contact: ED SOOMRE (MA-017), 1 Alcott Dr., Northboro, MA 01532 or phone 617-393-6052. (2-3-83)

FOR SALE: Drake SW4A. HF broadcast band receive only; with MS4 speaker. $125.00. Contact: ED SOOMRE (MA-017), 1 Alcott Dr., Northboro, MA 01532 or phone 617-393-6052. (2-3-83)

WANTED: Regency crystals for VHF-Hi & UHF. Contact: PAUL FLAUTT (OH-108), 2141 Gaylord Pl., Columbus, OH 43227 or phone 614-237-9300. (1-25-83)

FOR SALE: Radio Shack/Realistic DX-160 SW Receiver. Radio & speaker in good working order covers 150 khz to 30 mhz; AM/SSB. In original carton with all plugs and manual. Also a Radio Shack SW long wire antenna kit; unused. Please write or call before sending money. $110.00. Contact: DAVID MONTGOMERY (AR-015), 7516 Ember Ln., Little Rock, AR 72209 or phone 501-565-2098. (2-3-83)

Marketplace continued

FOR SALE: Regency H-604 Hand Held. 6 channel. Excellent condition; factory warranty. Includes case, ni-cads, charger, antennas & 40+ crystals. $220.00. Contact: ALL OHIO SCANNER CLUB (OH-141), 10 Avalon Rd., Mt. Vernon, OH 43050 or phone 614-397-3520. (1-26-83)

FOR TRADE: MacDonald CE-110. 16 channel; 8 VHF-Hi & 8 UHF. Uses Regency type crystals. AC/DC. Includes A/S MON-62 coupler-combiner. Trade for Regency ACT-R-92 AP aircraft scanner. Contact: TOM HEIDERER (WI-006), 3888 S. Hanson Ave., Milwaukee, WI 53207 or phone 414-481-7760 after 1800 CT. (1-26-83)

FOR TRADE: Bearcat BC 3-L/H. With operating & service manuals. 8 channels w/o crystals. Trade for hand held receiver. Contact: DENNIS KEENE (MD-033), 19845 Billings Ct., Gaithersburg, MD 20879. (1-30-83)

MONITORING & THE LAW

Eric P. Gaskell, Editor

Send all articles, references, copies of monitoring laws and questions pertaining to the legal aspects of monitor radio listening to:
Eric P. Gaskell, 1925 16th Ave., Apt. 210, Vero Beach, FL 32960.

Well, welcome once again to the Monitoring and the Law. The reason for the long delay of this column was that I was in the hospitall for major surgery and also I was attending school. But I hope to be back with the column.

For this month I will list some states that do not have scanner laws. This information was supplied by Douglas C, McDougall Can 041.

STATE		
Washington	---------- -	NO SCANNER LAWS
Oregon		No scanner laws
Idaho		No scanner laws
Montana		No scanner laws
North Dakota		No scanner laws
Minnesota		No mobile scanners allowed
Illinois		Not sure off
Michigan		No mobile scanners allowed
Indiana		No mobile scanners allowed

Thank you, Douglas McDougall, for the worth while information.

Some other states and a few cities that do not have scanner laws.

Arizona	No scanner laws
California	No scanner laws
Louisiana	No scanner laws
Tucson, Ariz.	No scanner laws
Los Angeles, Calif	No scanner laws
Los Angeles County Ca.	No scanner laws

Well, that's all for now; we will see you again next month.

photo department

Send photographs of custom monitor listening posts, unusual or extensive monitor or two-way antenna systems, user station consoles (PD, Fire, Paramedics, etc.) or other monitor/two-way related equipment of interest. Photographs must be 3 x 5 inches or larger, black-and-white with good contrast, sharply focused and attractively composed. Each photo must be accompanied by details and explanations of equipment. Photos will not be returned. If you have questions, write first and please include an SASE. Send photos or write to:

Hugh Stegman, 11622 Exposition Blvd., #2, Los Angeles, CA 90064

"BLUE THUNDER"

"Hollywood" yarns about public safety agencies tend to pale next to the reality heard on monitor radios. "Blue Thunder", the new Columbia feature about a super police helicopter, may be no exception. However, filming its spectacular flying scenes was most interesting.

"Blue Thunder," a Rastar/Gordon Carroll Production for Columbia Pictures, stars Roy Scheider, Malcolm McDowell, Candy Clark, Warren Oates and Daniel Stern, under the direction of John Badham. Gordon Carroll was producer, joined by executive producer Phil Feldman and Andrew Fogelson. The screenplay was by Dan O'Bannon and Don Jakoby.

Copyright ©1982, Columbia Pictures Industries, Inc., All Rights Reserved.

Airborne over downtown L.A., "Blue Thunder" looks rather menacing with all its movie props fitted. The basic aircraft is a French, five-place Aerospatiale Gazelle, capable of 200 mph. Its high performance allowed it to actually fly all of the stunts in the film, save for one impossible loop which was simulated. Out of frame below is LAPD's new heliport, used for the first time in the movie. Not far from PD HQ in Parker Center, this facility is atop the city's 1,300,000 square foot C. Erwin Piper Technical Plaza. It will replace the present LAPD heliport in Glendale.

Stunt flying was done right above the city, creating some interesting radio traffic. Citizens not lucky enough to have scanners often thought some incredible police operation was underway. I personally remember one great call from some friends in a downtown office who had found themselves looking DOWN at the sort of action in the next photos. Finally, local media assured everyone that it was only a movie. Nothing like a little free publicity...

"Blue Thunder" finds a quick way to
get up Main Street.

(1)

(2)

(3)

Photo Department continued

1) Note the cameraman hanging almost completely outside of the Bell Jet Ranger just above Blue Thunder. Although he is strapped firmly into a special camera mount that cuts down vibration and allows free movement, this is no job for the faint-hearted!

2) A cockpit view shows Blue Thunder's heavy reliance on CRT's, in a case of art imitating the actual new police technology. On-board computers interface CADS or display visual and infrared surveillance. The actors are Roy Scheider and Daniel Stern.

3) Malcolm McDowell listens on his BC 20/20. Scanners and other items are often placed in films by agencies seeking exposure for clients' products. This is why characters always seem to have Sony TV's and drink Coors. However, I still miss all those war surplus HRO's and 75A-4's that used to grace every Hollywood radio shack from Midway to the Moon.

I would like to run some photos of RCMA members' own monitoring setups in future columns. Why not send in one of yours? In the spring everyone's fancy turns to equipment. Thanks to all those who already sent stuff - it'll run now that my backlog is getting cleared out. 73 till next month.

(All photos courtesy of Columbia Pictures)

This column is for reporting Public Safety and Special Emergency frequency information, radio system details, radio codes, dispatch areas, unit numbering systems, etc. for police; sheriff, fire, forestry (except USFS), fish and game, highway patrol, state police, prisons, prisoner work camps, local government, highway & street maintenance, port authority/bridge maintenance, animal control, ambulances, paramedics, hospitals, life guards, ski patrol, search & rescue, flood control, civil defense and disaster organizations. Input and questions for this column must be sent to the proper regional Public Safety editor listed below.

PUBLIC SAFETY — GREAT LAKES:

Send Public Safety and Special Emergency frequencies, radio system details, and questions as follows – Illinois, Indiana, Wisconsin, Michigan, Kentucky, and Ohio:

Brandt Niemuth, P.O. Box 541, Rosemont, IL 60018

Greetings from the "Windy City":

Due to space limitations, the April column will start off with a correction from Tom (WI-006) to Wisconsin State Police high Band;

Statewide F-3 is 151.46 not 151.28
District 2 (Hq - Waukesha):

F-1	155.445B	159.285M
F-2		155.445M
F-3	151.460B	151.460M
F-4	155.475B	155.475M

(Ed note: the WSP first appeared in the Jan 83 column with no changes to the Dist 2 boundaries.)

From Jeff (KY-023); Hoosier National Forest in Indiana is using 164.825 (R).
The following signals are used by agencies in Indiana and was originally called "Indiana State Police Signals" and no Longer referred to as such:

Public Safety - Great Lakes continued

Signals:

1 Call your District
2 Call General HQ
3 Call Radio
4 Report To General HQ
5 Report To Your District
6 Call by Telephone
7 Emergency - Serious Situation
8 Meet
9 Disregard
10 Rush - Quick Action Desired
11 Confidential Information
12 Reply by Other Than Radio
13 Army Convoy
14 Plain Clothes Detail
15 Unable to Broadcast Details Because of Security
16 Airplane Accident
17 Grant Emergency Right-Of-Way to Vehicle
18 Pistol Practice
19 Truck Check
20 Car Wash
21 Car Service
22 Car Repair
23 Speeding Car
24 Vehicle/Occupants Detained
25 Regular District Meeting
26 Bringing Subject To Court
27 Stopping Vehicle
28 Bank Detail
29 District Meeting - All Leaves Cancelled
30 Special Patrol/Assignment
31 Traffic Congestion
32 Check all Records
33 Known Burglar
34 Mental Subject
35 Regular District Inspection
36 Advise Work Schedule of _____
37 Advise if You Have Traffic
38 No Traffic For You
39 District Inspection - All Leaves Cancelled
40 Wanted/Stolen Indicated
41 Is Polygraph Available?
42 Is Breathalyzer Available?
43 Have In Possession:
J1 Personnel
J2 Property
J3 Prisoner
J4 Papers
44 Advise Traffic Conditions
45 Give FCC Callsign
46 In Pursuit
47 Escort
48 Visitors/Officals Present
49 Platoon Location Stanby Alert
50 Activate Riot Control Platoon
55 Activity Report
60 Narcotics/Dangerous Drugs Involved
66 Service Not Available
80 Not On File
100 Emergency - Hold All But Emergency Traffic

The following signals and codes are used by Lifeline Search and Rescue with National Headquarters at P O Box 463 in Madison, Ind 47250:

Signal:

51 Alert Personnel For Standby
52 Activate Mission
53 No Further Help Needed Here
54 Visual Contact Made
56 Lost/Missing person
57 Overdue Aircraft
58 Tornado
59 Funnel Cloud
61 Trouble Unknown
62 Flood
63 Cave-In
64 Explosion
65 Train Derailment
67 Earthquake
68 Regular Meeting
69 Special Meeting
70 Lunch
71 Kave "CB" Radio
71 (1 to 40) Make "CB" Radio Contact on "CB" channel (1 to 40)
72 Capable of monitoring _____ Departments Frequencies
73 Drowning

Code 1 Call by Radio
Code 21 General Headquarters
Code 22 King's Daughters' Hosp - Madison Ind
Code 23 Athens
Code 29 Bedford Ind
Code 30 Huntington Ind

Indiana State Police Areas and Districts, courtesy Dave (IN-002), is included. Since Dave did a nice job of typping, it makes mine much easier. Thanks, Dave.

Also included in this month's column are some changes in the Chicago area courtesy Jeff (IL-064). Thanks Jeff.

From Scott (OH-139) comes some Codes and Signals used in the Knox County Ohio area. They used by both the county Sheriff's dept and the County Fire Control which includes:

Public Safety - Great Lakes continued
Utica Fire Dept
Utica Squad
Homer/Burlington Fire Dept

Signals:

0 Fire is Out
1 Contact Sheriff
3 Contact Chief Deputy
5 Contact Headquarters
7 License Registration (Requested)
7a Stolen File Check (Requested)
9 Investigate Complaint
11 Arrest Record Check (Requested)
13 Special Detail
15 Warrant or Paper
17 Contact Party in Person
19 Contact Party by Phone
19a Contact Gas Company
19b Contact Electric Company
19c Contact Phone Company
21 Prisoner
23 Off The Air To Eat
25 Return to Headquarters
27 Emergency Run
27a Contact Doctor (Give Name)
27b Contact Hospital (Give Name)
29 Squad Requested/Dispatched
31 Wrecker Requested
33 Car In Service
35 On Patrol
37 Car Out of Service (Off The Air)
39 Give The Location
41 One Unit in Radio Contact
43 Home
45 Contact News Media
47 Get Report Fast
49 Radio Repair
51 Cannot Answer
55 Civil Defense Alert
57 Bomb Scare
99 Emergency Traffic - Standby
101 Breathalyzer (Set UP)

Codes:

2 Accident - Property Damage
4 Accident - Injury
6 Aircraft Crash
8 Assault
10 Assist Other Unit (Mutual Aid, Who)
12 Burglary
12a Burglary In Progress
14 Bad Checks - Forgery
16 Dead On Arrival
18 Animal Bite
20 Domestic Trouble
22 Drowning
24 Drunk
26 Fight
28 Fire (Type & Location)
28a Working Fire
28b Fire Under Control
30 Gambling
32 Homicide
34 Juveniles
36 Larceny
38 Missing Person
40 Man With Gun
40a Man With Knife
42 Nature Unknown
44 Unit In Trouble
46 Prowlers
48 Rape
48a Sex Offense
50 Robbery
50a Robbery In Progress
52 Shooting
54 Stabbing or Cutting
56 Stolen Car
58 Suicide
60 Suspicious Person
60a Suspicious Car
62 Traffic Detail
64 Vandalism
66 Escape or Jail Break
68 Mental Disorder
70 Burns (Degree & Percent)
72 Fracture (What)
74 Head Injury
74a Eye Injury
74b Ear Injury
76 Hemorrhage (Where)

Thanks Scott for a very Good list.

Until next month
Happy Monitoring

INDIANA NEWS BRIEFS...

THE INDIANA STATE POLICE AREAS AND DISTRICTS HAVE BEEN RE-NUMBERED. HERE IS A LIST OF THE NEW ASSIGNMENTS WHICH WENT INTO EFFECT ON JANUARY 1, 1983...

AREA 1	DISTRICT 11	TOLL ROAD
	DISTRICT 13	LOWELL
AREA 2	DISTRICT 22	FORT WAYNE
	DISTRICT 24	BREMEN

Public Safety - Great Lakes continued

AREA 3	DISTRICT 32	TERRE HAUTE
	DISTRICT 33	BLOOMINGTON
	DISTRICT 37	SEYMOUR
AREA 4	DISTRICT 45	SELLERSBURG
	DISTRICT 46	JASPER
	DISTRICT 47	EVANSVILLE
AREA 5	DISTRICT 51	PENDLETON
	DISTRICT 52	INDIANAPOLIS
	DISTRICT 53	PUTNAMVILLE
AREA 6	DISTRICT 61	PERU
	DISTRICT 62	LAFAYETTE
AREA 7	DISTRICT 71	REDKEY
	DISTRICT 72	CONNERSVILLE
	DISTRICT 73	VERSAILLES

A NEW I.S.P. FACILITY AT EDWARDSPORT (KNOX COUNTY) BECAME OPERATIONAL IN LATE 1982. THIS MICROWAVE REPEATER SITE HAS REMOTE TRANSMIT AND RECEIVE CAPABILITIES. IT MAY BE HEARD ON 42.420 MHZ OR 155.370 MHZ. THIS STATION IS EXPANDING THE RADIO COVERAGE AREA OF EVANSVILLE, DISTRICT 47...

A NEW MEDIUM SECURITY STATE CORRECTIONAL FACILITY AT BRANCHVILLE (PERRY COUNTY) IS UNDER CONSTRUCTION AT THIS TIME. A RADIO SYSTEM WILL BE USED BUT FREQUENCY IS UNKNOWN AT THIS TIME...

THE INDIANA DEPT. OF NATURAL RESOURCES HAS INSTALLED A BASE STATION WITH TRANSMITTER AT PATOKA LAKE RESERVOIR IN SOUTHERN INDIANA. FREQUENCIES BEING USED ARE 159.24 AND 155.37...

"LIFEFLIGHT" AND "SKYCARE" HELICOPTERS MAY BE HEARD PERIODICALLY ON THE STATE HOSPITAL FREQUENCY (I.H.E.R.N.) THE UNITS ARE USED FOR TRANSPORTING PATIENTS FROM ACCIDENT SCENES AND FROM ONE HOSPITAL TO ANOTHER...

VANDERBURG COUNTY SHF HAS CHANGED FREQUENCY FROM 155.565 TO 154.800 MHZ...

BURBANK POLICE

Formerly patrolled by the Cook County Sheriff's Police, the Village of Burbank, now has its own police force. In addition to ISPERN and High Band point, the following frequencies are or will be used : IN
Temporary frequency: While the UHF system is being phased the following frequency is being used, 155.640 R. The frequency is Cook County Band 5 and was noted in an earlier newsletter.

Eventual Frequency: 470.862 R sharing the Network 7 frequency with the following communities: Chicago Ridge, Palos Heights, Palos Hills, Palos Park and Worth.

CHICAGO CHANGES

Chicago Police Addition- Citywide 8, 460.525. There is no use at present and of this writing there has been nothing heard. Note: This frequency is also licensed to the Kendall County Sheriff, so negotiations are probably going on as to its use.

Chicago Fire Changes:

Ambulance Dispatch North:	460.600	(Formerly Citywide)
Ambulance Dispatch South:	460.625	(Formerly Data)
Data	462.950	(New Frequency)

All Courtesy of Jim (IL-23)

ANARC

ASSOCIATION OF NORTH AMERICAN RADIO CLUBS

ANARC CLUB LIST
Revised: Jan 83

WHAT IS ANARC?

The Association of North American Radio Clubs (ANARC) was founded in 1964 as a uniting organization for the non-profit hobby radio listening clubs in North America. All ANARC-approved clubs are reliable, responsible volunteer organizations. Full member clubs are generally larger than associate member clubs, but both groups meet ANARC's membership qualifications. ANARC has affiliate status with many overseas organizations.

ANARC's objectives are to promote closer ties among radio clubs, to promote the interchange of information and ideas among member clubs, to work for the common good of the hobby, to provide a forum to work out differences and problems regarding radio clubs and to provide a medium to speak out for radio clubs and listeners in North America.

There are several ANARC Committees which serve the radio listener. The Frequency Recommendation Committee helps shortwave radio stations choose the best frequencies for their broadcasts to North America. The Equipment Information Committee compiles and publishes information about all types of radio receiving equipment available on the market. The QSL Committee compiles information about the verification policies of radio stations around the world. The Broadcasters Liaison Committee promotes contact between ANARC and international broadcasters.

ANARC holds an annual summertime convention at a different site in North America each year. Listeners from all over North America and from other parts of the world attend the convention, which is usually three days long and filled with discussions, demonstrations, exhibits, speeches, and presentations by ANARC clubs, radio stations, radio manufacturers and dealers, and specialists in various aspects of radio broadcasting and listening. ANARC conventions offer unique opportunities for listeners and broadcasters to meet with others who share their hobbies, interests, and professions.

ANARC has several publications of interest to listeners. A subscription to the monthly ANARC NEWSLETTER is available for $5.00 in NA; $8.00 elsewhere. Sample copies are 50 cents and a SASE in USA; 75 cents in mint stamps in Canada or 4 IRCs elsewhere. "Choosing a Receiver" is $1.00 and a SASE in USA; $1.25 in mint stamps in Canada or 5 IRCs elsewhere. Additional copies of this Club List are 25 cents and a SASE in USA; 50 cents in mint stamps in Canada or 3 IRCs elsewhere. These publications may be ordered from: ANARC PUBLISHER, 1500 BUNBURY DRIVE, N. WHITTIER, CA 90601, U.S.A.

TERMS AND ABBREVIATIONS USED IN THIS LIST

DUES:	Annual membership fee, which includes receipt of the club's publication. North American amount applies to USA, Canada & Mexico. Overseas amount applies to the rest of the world. All fees are in US currency unless otherwise specified. Overseas fees include airmail delivery unless otherwise indicated.
HQ:	Club headquarters address.
IRC:	International Reply Coupon - available at most post offices.
LW:	Longwave band
MW:	Mediumwave (AM) band
NA:	North America
QSL:	Verification card from a radio station.
Sample:	Sample copy of the club's publication.
SASE:	Self Addressed Stamped Envelope, business size (#10).
SW/SWL:	Shortwave/shortwave listener/shortwave listening.

ANARC FULL MEMBER CLUBS:

AMERICAN SHORTWAVE LISTENERS CLUB(ASWLC) Founded in 1964

Address:	16182 Ballad Lane, Huntington Beach, CA 92649, USA
Coverage:	SW, MW, utilities
Publication:	"SWL", monthly
Dues:	NA $16.00; overseas: write HQ for details.
Sample:	NA $1.00, overseas $2.00 or 8 IRCs

CANADIAN INTERNATIONAL DX CLUB(CIDX) Founded in 1962

Address:	6815 12th Avenue, Edmonton, Alberta, T6K 3J6, Canada
Coverage:	All wave
Publication:	"CIDX Messenger", monthly
Dues:	NA $16.00; overseas $20.00 (in Canadian funds)
Sample:	NA $1.50; overseas 6 IRCs

CLUB ONDES COURTES DU QUEBEC(COCQ) Founded in 1974

Address:	745 Du Chateau #24, Sainte Foy, Quebec G1X 3P4, Canada
Coverage:	SW, MW, ham, utilities
Publication:	"L'Onde", monthly (in French)
Dues:	Canada/USA $33.00; overseas $38.00
Sample:	NA $1.50; overseas 5 IRCs

HANDICAPPED AID PROGRAM, USA Inc.(HAP-USA) Founded in 1972

Address:	Route 4, Box 32, Rolla, MO 65401, USA
Coverage:	Promotes shortwave radio for the physically disabled and housebound, through education and services.
Publication:	"HAP-penings", monthly (center insert of ANARC Newsletter); extensive cassette tape library available to members.
Dues:	None to qualified members of HAP-USA.
Sample:	Not available. All physically handicapped persons in USA are eligible for membership by writing HAP-USA for details and information.

INTERNATIONAL DXERS CLUB OF SAN DIEGO(IDXCSD) Founded in 1978

Address:	1826 Cypress Street, San Diego, CA 92154, USA
Coverage:	Non-technical receiver and equipment information, relating to SW, MW, LW, TV, FM, and utilities.
Publication:	"International DXers Club of San Diego", monthly.
Dues:	NA $11.00; Central America, Colombia, Venezuela, and the Caribbean $16.00; elsewhere $17.00
Sample:	NA $1.00, overseas 5 IRCs.

INTERNATIONAL RADIO CLUB OF AMERICA(IRCA) Founded in 1964

Address:	P.O.Box 26254, San Francisco, CA 94126, USA
Coverage:	MW
Publication:	"DX Monitor", 34 issues annually.
Dues:	NA $16.50; $18.00 surface mail to rest of the world; $27.00 airmail to Central America, Colombia, Venezuela and the Caribbean; $30.00 to the rest of Latin America, W. Europe, N. Africa and the Middle East; $34.00 to the rest of the world.
Sample:	NA $0.50, overseas 3 IRCs

LONGWAVE CLUB OF AMERICA(LWCA) Founded in 1974

Address:	45 Wildflower Road, Levittown, PA 19057, USA
Coverage:	LW
Publication:	"The Lowdown", monthly
Dues:	NA $10.00; overseas $18.00
Sample:	NA $0.85; overseas 5 IRCs

MIAMI VALLEY DX CLUB(MVDXC) Founded in 1973

Address:	4666 Larkhall Lane, Columbus, OH 43229, USA
Coverage:	All wave, with emphasis on SW
Publication:	"DX World", monthly
Dues:	NA $7.00, overseas, write to HQ for details.
Sample:	NA $0.75; overseas 6 IRCs

NATIONAL RADIO CLUB(NRC) Founded in 1933

Address:	P.O.Box 118, Poquonok, CT 06064, USA
Coverage:	MW
Publication:	"DX News", 30 issues annually.
Dues:	USA $18.00; Canada $21.00, other countries, write HQ for rates.
Sample:	NA $0.60; overseas 3 IRCs

NORTH AMERICAN SHORTWAVE ASSOCIATION(NASWA) Founded in 1961

Address:	P.O.Box 13, Liberty, IN 47353, USA
Coverage:	SW
Publication:	"FRENDX" monthly
Dues:	NA $16.00; Central Am/Carib/South Am/Europe $25.00; Africa/Asia/Pacific $28.00; worldwide by surface mail $16.00.
Sample:	NA $1.00; overseas $2.00 or 10 IRCs

ONTARIO DX ASSOCIATION(ODXA) Founded in 1974

Address:	3 Camrose Crescent, Scarborough, Ontario M1L 2B5
Coverage:	SW, MW
Publication:	"DX Ontario", monthly
Dues:	Canada $19.00; USA $20.00; overseas $25.00
Sample:	$1.50 worldwide

RADIO COMMUNICATIONS MONITORING ASSOCIATION(RCMA) Founded in 1975

Address:	P.O.Box 4563, Anaheim, CA 92803, USA
Coverage:	VHF/UHF public service bands, SW utilities.
Publication:	"RCMA Newsletter", monthly
Dues:	USA $16.50; Mexico/Canada $18.50; Europe $20.00; Asia/Pacific $21.50
Sample:	NA $1.00; overseas 6 IRCs

SOCIETY TO PRESERVE THE ENGROSSING ENJOYMENT OF DXING(SPEEDX) Founded in 1971

Address:	P.O.Box E, Elsinore, CA 92330, USA
Coverage:	SW, utilities
Publication:	"SPEEDX", monthly
Dues:	NA $16.00; Carib/Central Am $24.00; Europe/South Am $28.00;Asia/Pacific/Africa/USSR $31.00; surface mail worldwide $17.00
Sample:	NA $1.00; overseas $2.00 or 8 IRCs

WORLDWIDE TV-FM DX ASSOCIATION(WTFDA) Founded in 1967

Address:	P.O.Box 97, Calumet City, IL 60409, USA
Coverage:	TV, FM, VHF/UHF public service bands.
Publication:	"VHF/UHF Digest", monthly
Dues:	NA $15.00; overseas $24.00
Sample:	NA $1.00; overseas 6 IRCs

ANARC ASSOCIATE MEMBER CLUBS

ASSOCIATION OF CLANDESTINE radio ENTHUSIASTS(A.C.E.) Founded in 1981

Address:	P.O.Box 452, Moorehead, MN 56560, USA
Coverage:	Clandestine and pirate stations.
Dues:	USA $6.95; Canada/Mexico $7.95; overseas airmail $13.00 overseas surface mail $9.50

CANADIAN HANDICAPPED AID PROGRAM(CHAP) Founded in 1972

Address:	P.O.Box 3096 Stn. F, Scarborough, Ontario M1W 3P5
Coverage:	Same as HAP-USA
Publication:	Same as HAP-USA
	All physically handicapped and shut-ins residing in Canada are eligible for membership. Write to CHAP hq for details of services.

MINNESOTA DX CLUB(MDXC) Founded in 1973

Address: 5212 Drew Avenue South, Minneapolis, MN 55410, USA
Coverage: SW, MW, utilities
Activities: Meetings are held monthly in the Minneapolis area. Send a SASE for dates & details. "MDXC Newsletter" sent to members only. Membership limited to residents of Minnesota.

UNIVERSITY OF MANITOBA DX CLUB(UMDXC) Founded in 1972

Address: UMDXC, Room 517, Box 131, University Centre, Winnipeg, Manitoba R3T 2N2, Canada
Coverage: SW, MW
Activities: No regular bulletin, but meetings are held regularly at the University of Manitoba. Send SASE for meeting dates and details. Membership limited to residents of Winnipeg area.

WASHINGTON AREA DX ASSOCIATION(WADXA) Founded in 1978

Address: 606 Forest Glen, Silver Springs, MD 20901, USA
Coverage: SW, MW, utilities
Publication: "WADXA News", quarterly
Dues: NA $4.00
Activities: Meetings held regularly in the Washington, DC area.

ANARC AFFILIATE ORGANIZATIONS

EUROPEAN DX COUNCIL(EDXC) Founded in 1965

Address: P.O.Box 4, St. Ives, Huntingdon, Cambs, ENGLAND PE17 4FE
Coverage: EDXC is the European equivalent of ANARC
Publication: "EDXC Newsletter", monthly
Dues: Send 3 IRCs for a sample and subscription information.

SOUTH PACIFIC ASSOCIATION OF RADIO CLUBS(SPARC)

Address: P.O.Box 1313, Invercagill, New Zealand
SPARC is the federation of DX radio listening clubs in New Zealand, Australia and the South Pacific area. For a list of clubs and publications, send 3 IRCs.

NEW ZEALAND RADIO DX LEAGUE(NZRDXL) Founded in 1979

Address: P.O.Box 1313, Invercagill, New Zealand
Coverage: All wave
Publication: "New Zealand DX Times", monthly
Dues: New Zealand $15.00; Australia $20.00; Pacific/Asia/NA $25.00; elsewhere $30.00. There is also a $4.00 joining fee for the first year. All rates quoted are in New Zealand dollars.

SOUTHERN CROSS DX CLUB(SDC) Founded in 1973

Address: GPO Box 1467, Adelaide, SA 5001, Australia
Coverage: SW, MW, amateur bands
Publication: "DX Post", monthly except December
Dues: Australia $13.00; New Zealand $14.00; Asia $16.00, NA $17.00, Europe $18.00. There is also a $3.00 joining fee for the first year. All rates quoted are in Australian dollars. Please pay by International Bank Draft or Money Order.
Sample: Australia $0.25; overseas 3 IRCs or US$1.00

WORLD DX CLUB(WDXC) Founded in 1963

Address: 17 Motspur Drive, Northampton, England NN2 2LY
(NA use: 2609 Devonshire, Lansing, MI 48910)
Coverage: All wave, with emphasis on SW
Publication: "Contact", monthly
Dues: Worldwide by surface mail $11.00; Europe $14.00, Pacific $20.00; elsewhere (including NA) $18.00

Local Government frequencies used by South Suburban Police Agencies

Blue Island	155.100	Secondary
Calumet Park	154.025	Secondary
Glenwood	155.025	Secondary
Hazelcrest	155.880	Secondary
Markham	155.025	Secondary
Matteson	155.025	Secondary
Oak Forest	155.880	Secondary
Orland Park	155.880	Not listed in Police Call
Orland Park	155.985	Input to 154.785 R
Richton Park	155.025	Secondary
Riverdale	155.025	Secondary
Sauk Village	155.025	Secondary
Tinley Park	155.820	Night Primary

Courtesy of Jeff (IL-64)

PUBLIC SAFETY — NORTH EAST:

Send Public Safety and Special Emergency frequencies, radio system details, and questions as follows – New England states, New York, Pennsylvania, New Jersey, Maryland, Delaware and District of Columbia:

Richard Barnett, P.O. Box 428, Newton Highlands, MA 02161.

From David (MA-008)
Dukes County Police

* West Tisbury's unmarked car is a 1982 Ford LTD. All the antennas are hidden in the car. The car is equipped with New Hampshire license plates?

*1 Chevy Blazer
*2 Chevy Suburban with $20,000 worth of "extras" including a 5000 lb. winch, built-in air compressor and an AM/FM cassette stereo!

Callsign: KCB-860 (F-1) KQG-404 (F-2, F-3, F-4)

Frequencies: F-1 158.850
F-2 159.940
F-3 158.955
F-4 158.865

U-1 Sheriff
K-5 MSPCA Car
G-9 Game Warden

Edgartown Police Dept. KMA-738
U10M Motorcycle
U10 Patrol Car
U11 Patrol Car
U15 Chief
H17 Harbormaster
K19 Animal Control Officer

Tisbury Police Dept.
U20M Motorcycle
U20 Patrol Car
U21 Patrol Car
U22-26 Foot Patrol
H27 Harbormaster
K29 Animal Control Officer

Oak Bluffs Police Dept.
U30M Motorcycle
U30 Patrol Car
U31 Patrol Car
U32-35 Foot Patrol
U36 Barroom Patrol
H37 Harbormaster
S38 Shellfish Warden
K39 Animal Control Officer

West Tisbury Police Dept.
U40M Motorcycle
U40 Patrol Car
U41 Patrol Car *1
U42 Sergeant
U43 Portable
U44 Unmarked Car*
K49 Animal Control Officer

Chilmark Police Dept.
U50 Patrol Car
U51 Patrol Car *1
U52 Portable

Gay Head Police Dept.
U60 Patrol Car
U61 Patrol Car *1

State Police WRD-962
U70M Motorcycle
U70 Patrol Car *2
U71 Patrol Car K-9 Unit
U72 Unmarked Car

U85 Electronics Tech.
U90 Bridge Operator
Tisbury Ambulance Service

Edgartown Ambulance Service
U91A Portable
U91P Portable
U92 Ambulance

Tri-Town Ambulance Service
U93A Portable
U93P Portable
U93 Ambulance

U94A Portable
U94P Portable
U94 Ambulance

Oak Bluffs Ambulance Service
U95A Portable
U95P Portable
U95 Ambulance

From Fred (NY-220):
Erie County, Buffalo, NY E.M.S.

I. Ambulance designators

A) Private amb. companies are 500 - series. Each company has its own "Office" freq. for conducting private business.

	amb. company	operating area	freq.	call	designators
1.	Town's Amb.	Cheektowaga	47.54	KLD-672	555-569
2.	Amherst Columbia	Amherst	155.175	KTH-604	590-599
3.	Memorial Amb.	Buffalo	155.295	KRT-938	520-529
4.	LaSalle Amb.	Buffalo	155.280	KBI-890	530-554
5.	Gold Cross Amb.	Buffalo	155.160	KXH-212	570-589

1 & 2 above operate in suburbs and are dispatched on their "office" freq. These units have a second E.M.S. radio with Ch. 1 & 2 as described later on.

3, 4, & 5 operate in Buffalo. Emergency calls are routed from the 911 Comm. Center in Police HQ to the city Ambulance Dispatch & Inspection center (A.D.I.) All Amb. dispatching in the city is done through A.D.I. Four-channel scanning radios are used: Ch. 1 155.34 - amb./hospital
Ch. 2 155.28 - Disaster co-ordination
Ch. 3 155.22 - A.D.I.
Ch. 4 "Office" freq. as noted above

B) Volunteer Amb. 800 -series. Ambulances that are operated by volunteer fire companies are dispatched on their appropriate county fire freq. These units have E.M.S. radios e/w Ch. 1 & 2.

800 Lancaster
801 Lancaster
804 Gr. Island
805 Eden
810 N. Collins
815 Boston
820 State Univ.
832 Jamison Rd.
844 Tonawanda
845 E. Seneca
850 Reserve
852 Eggertsville
853 Getzville
854 Wmsville
856 Swormville
857 Snyder
859 Harris Hill
860 Clrnce Ctr.
861 Clarence
863 Akron
864 Millgrve
865 Alden
866 Newstead
867 Newstead
883 Orch. Pk.
884 Woodlawn
886 Scranton
871 Chaffee
872 Wales Ctr
873 Marilla
874 Elma
875 E. Aurora
878 Holland
879 Colden
881 Hillcrest
882 Windom
887 Newton
Abbott
888 Armor
889 Hamburg
890 Bigtree
892 Lake-
shore
893 Lk. Erie
Beach
894 Highland
895 Evans Ctr

II. M.E.R.S. Control - The Medical Emergency Radio System & A.D.I. operate out of a dispatch center in the Erie County Medical Center, Buffalo.
M.E.R.S. Control co-ordinates all radio traffic on all E.M.S. freq.
155.340 KVZ-743 Amb/Hosp freq; Hosp. status reports
155.280 KVZ-743 disaster channel
155.220 KWH-437 A.D.I Buffalo
453.150 KLO-210 E.M.S. Field supervisors ("MC" - units)
155.760 KWT-667 County civil defense. Base stations of all major county agencies & top county officials; Paging

FUTURE USE: 155.325 - probably a 2nd Amb./hosp. freq. for city units
155.400 - " Base E.M.S. operations, no mobiles.
Used for status reports, disaster operations, etc.

III. Paramedic freq. Due to the proximity of Canada, not all standard Med. freq. are in use. All med. Freqs. have repeaters on base freq.

Med - 1	Erie County Medical Ctr.	463.000
Med - 1	Kenmore Mercy Hospital	463.000
Med - 5	Sheehan Hosp.	463.100
Med - 6	Columbus Hosp.	463.125
General-Med	Buffalo General Hosp.	463.487
Victory-Med	Our Lady of Victory Hosp.	463.587
Mercy-Med	Buffalo Mercy Hosp.	463.612
Med - 9	M.E.R.S. control gives clearance to a unit to operate on a Med freq.	462.975

Paramedic units: 518,536,540,548,555,566,578,581,582,593,804,844,857,893

"Mercy Flight" rescue helicopter operates out of Buffalo Mercy Hosp. on freqs: 126.5 - FAA I.D.: 866FR
122.95 - maintenance
155.34 / 155.28 / 155.37 inter agency police / 155.175 Niagara Cty E.M.S. & all Med. freq.

IV. Hospital designators - THE following is a list of base stations on the M.E.R.S. network in Erie county. Included are the tone access/cass designators and call letters.

Bertrum-Chaffee	641	KUH-413	Lafayette Hosp.	649	KVU-984
Buffalo Fire Dept.	912	KVZ-742	Lakeshore Hosp.	721	KZE-798
Buffalo General Hosp.	643	KFR-571	M.E.R.S. Control	913	KVZ-742
Buffalo Mercy Hosp.	650	KVZ-747	Fillmore Hosp.	651	KVZ-748
Buffalo Police	911	KVZ-742	Fillmore Suburban	652	KVD-436
Children's Hosp.	644	KVZ-744	O.L.V. Hosp.	653	KVZ-749
Columbus Hosp.	642	KDV-979	St. Joseph Hosp.	656	KGV-703
Deaconess Hosp.	645	KVZ-745	Sisters Hosp.	654	KVZ-709
DeGraff Hosp.	311	KZV-382	V.A. Hosp. Bflo.	655	KFO-335
Erie Cty Med. Dtr.	646	KEJ-281	Mercy Ambulatory care center (M.A.C.)	660	KVZ-747
Sheehan Hosp.	647	KLE-910			
Erie Cty Sheriff	915	KVZ-742			
Kenmore Mercy Hosp.	648	KVZ-746	ALL STATIONS ON:	00	

From Dick (PA-107):

Since I live in Erie County, I have some information on the PA Game Freqs., as I mentioned in our Oct. '82 newsletter. The two (2) main channels are as, Chris PA-031, Stated. 44.640 PA GAME, 44.840 PA GAME. Also 44.64 is used to activate a federal repeater (172.275) to contact Franklin 44.64, both sides of conversation can be hear.

44.84 is usually mobile to mobile etc. one of the Game Warden's lives nearby and he has a base in his own home. Also 44.96 and 45.040 are used by the PA Fish Commission. 44.96 is channel #2 Mobile KA 60733

45.04 is channel #1 Mobile. These are used for enforcement of fishing laws. I don't know if all game units, fishing or game, have the same freq, but they have two different types of vehicles, game is a green color, fish commission is a white color with a decal of fish on the doors. As far as the other freq, mentioned by Chris (PA-031) I haven't heard any activity in my area. Also the following freqs. I found which I haven't seen in our newsletter are as follows: 37.30 PA Constables 155.070 North East, PA Police Ch #2

Scanning Washington, D.C. and Maryland

This is the third D.C./Maryland sub-section -- hopefully it will be a regular portion of this column if there is sufficient input and interest. The absence of this section during the last two months was due to (as I understand it) substantial material from other areas with space at a premium. So far I have heard from several members who have made substantial contributions -- I hope others will make even modest efforts to supplement the information supplied

by the few who are responding. Now, on to this month's material.

Also on D.C., I have received the following from Joe (015) analyzing the Fire Department apparatus locations:

CO.	ADDRESS	ENGINE	TRUCK	MEDIC	RS	AMBO	BFC	TAU
1	2225 M Street, N.W.	1	2	11			2	2
2	500 F Street, N.W.	2	1			7		
3	439 New Jersey Ave.,N.W.	3				15		
4	2531 Sherman Ave., N.W.	4		1	2			
5	3412 Dent Place, N.W.	5	5					
6	1300 New Jersey Ave.,N.W.	6	4		1	5	1	
7	1101 Half Street, N.W.	7						
8	1520 C Street, S.E.	8		9		16		
9	1617 U Street, N.W.	9	9					
10	1342 Florida Ave. N.E.	10	13					
11	1338 Park Road, N.W.	11	6					
12	1626 N. Capitol St.	12						
13	450 6th Street, S.W.	13	10			6		1
14	4801 N. Capitol St.	14				14&4		
15	2101 14th Street S.E.	15	16		3		3	
16	1018 13th Street, N.W.	16	3				6	
17	1227 Monroe Street, N.E.	17						
18	414 8th Street, S.E.	18	7				7	
19	2813 Penn Ave., S.E.	19				12		
20	4300 Wisconsin Ave., N.W.	20	12			8		
21	1763 Lanier Place, N.W.	21				2		
22	5760 Georgia Ave., N.W.	22	11					
23	2119 G Street, N.W.	23						
24	3702 Georgia Ave., N.W.	24					4	
25	3203 Martin L. King Ave,SE	25	8					
26	1340 Rhode Is. Ave., N.E.	26	15					
27	4201 Minnesotta Ave., N.E.	27						
28	3522 Connecticut Ave.,N.W.	28	14				5	
29	4811 MacArthur Blvd. N.W.	29						
30	50 49th Street, N.E.	30	17			10	8	
31	4930 Connecticut Ave.,N.W.	31			4			
32	2425 Irving Street, S.E.	32		3		13		

KEY: RS=Rescue Squad AMBO=Ambulance BFC=Batallion Fire Chief
TAU=Twin Engine Unit
Special Units: Ambo Super (Co.2); Searchlight wagon (Co.9);
Salvage wagon (Co.24); Gasoline Tank Truck (Co.27)
Fireboat: 550 Maine Ave, S.E. (Potomac River)

From Joe and Alan (069), the following hospital codes are in use by D.C. Ambulances:

1 Greater Southeast Community
2 Children's Hospital
3 Columbia Hospital for Women
4 Doctor's Hospital
5 Howard University Hospital
6 D.C. General Hospital
7 Georgetown University Hosp.
8 George Washington Univ. Hosp.
9 Hadley Memorial Hospital
10 Providence Hospital
11 Capitol Hill Hospital
12 Sibley Memorial Hospital
13 Washington Hospital Center
14 Walter Reed Army Hospital
15 Veterans Administration

I will start on the Maryland State Government listings this issue, and try to finish up next time. From Alan, the Department of Transportation-State Highway Administration -- the set up is as follows:

F1: Statewide & District 6.....47.320
F2: Districts 5 & 7.....47.260
F3: Districts 1,3,4.....47.400
F4: District 2.....47.140

District 1: Dorchester, Somerset, Wicomico
District 2: Caroline, Cecil, Kent, Queen Anne's, Talbot
District 3: Montgomery, Prince George's
District 4: Baltimore City, Baltimore, Harford
District 5: Anne Arundel, Calvert, Charles, St. Mary's
District 6: Allegany, Garrett, Washington
District 7: Carroll, Frederick, Howard

The SHA radio codes are substantially the same as the MSP except:

10-12 Officials/VIP present	10-64 Signal Involved in Accident
10-27 Reply to Message	10-65 Repeat Message Re. Signal
10-37 Name of Operator	10-66 Request Police - Traffic
10-40 Avail. for Phone call	10-67 Signal Repaired
10-58 Any Messages?	10-68 No Trouble Found
10-59 Negative	10-69 Where Dis Complaint Originate
10-60 Bulb out	10-78 Hole in the Road
10-61 Signal Stuck	10-79 Animal Carcass
10-62 Timing is Off	10-88 Advise my home my ETA is...
10-63 Signal on Flash	10-89 ...is calling you

The only other major Department of Transportation function is the Toll Facilities Administration which operates on a 3-channel system shared by police and maintenance:

F1: Balt. Harbor Tunnel / Key Bridge.....453.100
F2: Bay Bridge (Lane Memorial Bridge).....453.575
F3: Nice Bridge (Potomac) / Susquehanna River....453.975

I think that's enough for this month (I'm supposed to keep this down to about two pages). Next month I'll start by finishing the Maryland State Government and get into some of the County agencies. If anyone has any corrections or additions to this column or the previous one, please send them in and I'll print them.
Finally, if anyone is planning a trip this way, or finds themselves in the D.C. area in need of frequency information, please feel free to drop me a line or call my office (301-340-2264). I'll be happy to give you whatever I have.

Until next month....

Rick Schneider
234 North Washington
Rockville, MD 20850

PUBLIC SAFETY — SOUTH CENTRAL:

Send Public Safety and Special Emergency frequencies, radio system details, and questions as follows — Alabama, Arkansas, Louisiana, Mississippi, Tennessee, Oklahoma, and Texas:

Ken Pehl, 108 E. Centre St., Fredericksburg, Texas 78624.

Greetings and welcome to the April issue of this column. Once again we have a jam-packed column to give you. I wish to remind you of the Texas RCMA Picnic-Convention being planned for early summer. Please refer to the announcement made in last month's issue. Remember to send in your SASE to receive further details. Incidently, these SASE's probably will not be returned before April or May (this is being written in late January).

Now let's dig into the mail bag and get started on this month's material. As promised last month, we have a report on Orange and Jefferson Counties, Texas from Marvin, TX-2. Take it away, Marv.

ORANGE COUNTY, TEXAS RADIO SYSTEMS
by Marvin Suggs, TX-2

LAW ENFORCEMENT CH's---
Ch 1 460.275 R KUY 510--County-wide intersystem
Ch 2 460.350 R KUY 511--County/Regional info/computer/mutual aid ch.
Ch 3 460.225 Mobile/simplex--County/Regional wide car-to-car ch.
Ch 4 --frequency varies with agency--F4 is main dispatch ch.--
---460.200 R KUY 510--Orange Co. S.O.-dispatch ch.
(also dispatches the W. Orange PD)
---460.425 R KUY 511--City of Orange PD--dispatch ch.--
(also dispatches the Pinehurst PD)
---460.475 R KQR 968--Bridge City PD--dispatch ch.--(equipped with 460.200)
---460.050 R KUY 507--Vidor PD--dispatch ch.

Note: The Orange and Jefferson Co. Ch's 1,2, and 3 are the same frequencies. Both counties have a repeater operating on ch 1. The municipalities operate the ch 2 repeaters. The ch 2 repeaters are located in Beaumont, Pt Arthur, and Orange. Continuous tone squelch (so-called sub-audible tone) is used to control interference and to bring up only one repeater at a time.

FIRE CH's---

Orange FD
Ch 1 154.220 B/M KKD 994--City of Orange FD--dispatch & fireground
Ch 2 154.280 B/M KKD 994--area mutual aid ch.

Central Dispatched--
Ch 1 154.130 B/M KBN 330--Bridge City FD--dispatching agency for:
-- KKS 631--Groves FD
-- KKU 684--Vidor FD
-- KRL 237--Griffing Park FD
154.340 B/M KWT 785--Little Cypress/Mauriceville VFD--dispatch
154.175 B/M WQI 270--W. Orange FD-dispatch
Ch 2 154.280 B/M --area mutual aid ch.

154.340 B/M also area industries (refineries) mutual aid ch.
451.975 R call unknown--Gulf Oil Co.-fire brigade.

EMS CH's---
Orange Co. EMS dispatch--155.340 B/M WQL 925

LOCAL GOVT & MISC. CH's---
158.760 B/M KLI 253--City of Orange--Public Works Dept.
39.10 B/M KWO 470--County license--use ?
158.820 R (153.785 in)--KCU 233/WFH 768--774--County license--use?
153.860 B/M KWZ 998--W. Orange city license--use ?
155.100 B/M KQS 747--Pinehurst city license--use ?

JEFFERSON COUNTY, TEXAS RADIO SYSTEMS
by Marvin Suggs (TX-2)

LAW ENFORCEMENT CH's

Ch 1 460.275 R KUY 499/various other calls---County wide intersystem
Ch 2 460.350 R various callsigns---County wide info(computer) & Mutual aid ch.
Ch 3 460.225 Mobile/simplex---County wide & Regional wide car-to-car ch.
Ch 4 460.xxx frequency varies with agency---F4 is main dispatch ch.:
---460.500 R KUY 498--Jefferson Co. S.O.---dispatch ch. (Port Arthur office)
KUY 499-- " " " --Beaumont office
---460.250 R KYS 820--Jefferson Co.---District Attorney's Office
---460.025 R KUY 506--Pt Arthur PD--dispatch ch.
---460.075 R KUY 501--Beaumont PD--dispatch ch.
---460.400 R KUY 505--Central Dispatch--operated by Nederland PD for the Nederland PD, Groves PD, Pt Neches PD, and Griffing Park PD.
Ch 5 --for the cities of Beaumont and Port Arthur only---
---460.175 R KUY 501--Beaumont PD city computer/info ch.
---460.150 R KUY 506--Port Arthur PD--back-up repeater ch.
See note on PD system under Orange Co. Radio Systems-law enforcement ch's.
VHF--155.640 = is no longer used.

FIRE/EMS CH's---
Beaumont FD
Ch 1 154.400 R (153.950 in)--KKC 989--Fire dispatch & fireground
Ch 2 154.280 B/M KKC 989--Area mutual aid ch.
Ch 3 153.875 B/M WRD 852-- Beaumont FD arson investigators ch.

Beaumont EMS (operated by Beaumont FD)
Ch 1 155.775 B/M WQY 596--Fire Dept EMS/Amb. dispatch
Ch 2 155.340 B/M WQZ 767--Ambulance dispatch (see note)
Note: The Beaumont Fire Dept also dispatches private ambulance companies. When a private ambulance refuses to make a call, a Fire Dept EMS ambulance is then dispatched to the scene. The 155.340 ch is also used for ambulance (in transit) to hospital communications, in addition to the standard UHF MED channels.

Port Arthur FD

Ch 1 154.190 R (153.770 in) KKA 642--P.A.FD dispatch & fireground
Ch 2 154.280 B/M KIG 889--area mutual aid ch.

Port Arthur EMS/Ambulance

Port Arthur does not have a city ambulance service as yet. It is now served by three private companies: Holmes EMS, Clayton-Thompson Ambulance Service, and B & B Ambulance, which is dispatched by Clayton-Thompson Amb. Svc. The ch. are:

Ch 1 155.175 B/M KFO 462--Holmes EMS-dispatch ch.
Ch 1 155.235 B/M KAE 648--Clayton-Thompson Amb. Svc. and B & B Amb.--dispatch ch.
Ch 2 155.340 B/M --- hospital to ambulance net
" --- KFG 456 Park Place Hospital
--- KUJ 528 St. Mary's Hospital
Ch 4 463.075 B, 468.075 M (non repeater) ---St Mary's Hospital to ambulance
---Holmes EMS to Hospital
Note: Only Holmes EMS and St Mary's Hospital are equipped with UHF MED ch's. Both voice and telemetry are used. Holmes EMS is more active on ch 4 than ch 2.

Central Dispatch FD (operated by Nederland FD)

Ch 1 154.250 B/M KKU 231--Central Dispatch--Nederland FD
B/M KKO 547--Pt Neches FD (dispatched by above agency)
Ch 1 154.130 B/M KBN 330--Bridge City FD --dispatching agency for:
--- KKS 631--Groves FD
---KKU 684 Vidor FD
---KRL 287 Griffing Park FD
Ch 2 154.280---area mutual aid ch.

Jefferson Co. Civil Defense: Ch 1--155.265 KQT 891--net control station
Ch 2--154.280 KKP 466--area mutual aid ch.
Note: The Civil Defense Center has radios equipped to transmit on the following
150.995 = County Road Dept.; 154.280 = area fire mutual aid ch.;
155.340 = area hospital intersystem; 155.370 = Texas inter-city (PD) ch.
460.275 = Jefferson Co. county-wide intersystem;
460.350 = Jefferson Co. info/mutual aid ch.
460.500 = Jefferson Co. S.O. dispatch channel
Additional agencies located in the C.D. Center gives laison contacts with area amateurs and also to the Civil Air Patrol. Also each municipal city hall in Jefferson County has a civil defense radio on 155.265. One further note of interest is that the National Weather Service at Beaumont is equipped to transmit on 154.280 with the callsign KWA 286, allowing communication with the C.D. Center.

LOCAL GOVT & MISC. CH's---

County
45.080 B/M WSL 891--use ?
45.58 B/M KLJ 230--Jefferson Co. Drainage District #6--flood control crews/Beaumont
158.805 B/M KQR 512--Jefferson Co. Drainage Dist. #7--flood control crews/area ?
46.52 B/M KJF 897--Jefferson Co.--Mosquito Control Dist.--aerial & ground spraying crews
154.965 B/M KOB 652-- Jefferson Co.--Water Conservation Dist.
150.995 B/M various callsigns--Jefferson Co.--Road & Bridge maint.
151.085 -- Jefferson Co. license--use ?

City of Beaumont
45.200 B/M KCN 677--City of Beaumont--Water Dept. (?)
154.100 B/M KKZ 765--City of Beaumont--Traffic & Transportation Dept. (traffic light repair crews/electricians)
453.050 R KYD 982--City of Beaumont--Public Works Dept.
453.325 R WYK 479--City of Beaumont--?Public Works Dept. ch 2??
453.200 R WXY 288--City of Beaumont--Municipal Transit--city buses
453.450 R various callsigns--use ?

City of Pt Arthur
155.805 R (153.740 in) KVT 797--Public Works Dept.--street dept & garbage trucks
155.040 R (155.760 in) KCL 406--P.A. City Hall Offices (electricians, engineers, inspectors, sign painters, etc.)
453.625 R WXP 603--Port Arthur Transit--city buses
153.410 B/M KKH 431--Port Arthur Water Dept.

other muncipalities
154.055 B/M KXM 880--Lakeview--use ?
155.085 B/M KER 623--Nederland--use ?
45.60 B/M KKW 730--Groves--use ?
155.745 B/M KRF 527--Pt Neches--use ?

That's a fine addition to the radio system reports already published, Marv. We look forward to hearing from you some more once you've got those other area systems figured out.

Over the past few months the other area states have been sorely neglected. The space restrictions were much to blame for that. So let's try and play catch up now with some out-of-state news.

Reed, AL-22, checked in with us late last month--too late to catch last month's column. Reed says that the Pascagoula, MS PD, which was reported in the February column as having changed to a new repeater frequency, is experiencing some interference from marine traffic on its input frequency, 156.03. The interference probably is from marine ch 60 (156.025 ship transmit) and legally to be used only in international waters near the U.S. (Tropo skip probably brings in the signal from off-shore or some illegal transmitter within the area.) For the present the Pascagoula PD is flipping back and forth between their old main dispatch ch (154.725) and their new repeater ch as conditions warrant.

From John, MS-17: With all the recent flooding occuring in that region of the country, John wrote a quick note giving 4 freqs that are/were presumably active for the emergency. 453.900= JATRAN-Jackson city buses. 154.965= Leflore County Civil Defense (KTZ 46)-county wide. 155.88= County CD active on this ch even though licensed/listed as Greenwood local govt ch. 460.350= Jackson PD F7-city wide car-to-car tactical ch., new update to Sept 82 column.

From David Montgomery, AR-15: David checks in again with some additional info to his report in the Oct 82 and Nov 81 columns by sending two newspaper clippings that relate some further info on Little Rock's new UHF communications system. I will attempt to relate some of the highlights in a condensed version. All of Little Rock's municipal departments (except one) have switched from VHF to UHF, as part of a whole new computer aided dispatching and communications center facility recently completed. In the PD section, the computer projects on a video screen the status of all units for the dispatcher--location of units (AVM), type of call a unit's assigned to when busy, how long a unit is out of vehicle and appropriate alerts to excess time, which units are available and free to handle the next call, etc. On the mobile unit's side of the equipment, the vehicle includes, of course, new UHF transceivers equipped with digital status indicator reports plus a digital transmitter for automatic vehicle location and monitoring (AVM). The digital status indicator digitally transmits to the base, for decoding by the computer and, in turn, for display on the dispatcher's video terminal, the more common reports--out of vehicle, in vehicle, busy, plus an emergency "panic" button. This cuts down on tying up the voice channels with routine traffic. In time the Little Rock FD will also be computer aided dispatched. Other Little Rock municipal departments, including the LRFD, are also dispatched out of the communications center.

The base station radios utilize the so-called "satellite voting" receiver system. This is the type where multiple remote receivers on the same frequency are placed around the city to insure total area coverage. These receivers are in turn tied together and the receiver with the best received signal at any given moment is fed to the transmitter for re-broadcasting the signal. What makes the Little Rock voter receiving system a bit unique, compared to other similar set-ups, is the application of cable TV technology and long distance telephone circuit technology to tie all receiver's voice circuits together. Rather than use leased standard telephone lines or utilize microwave transmitters to tie all the receivers together, the Little Rock system uses their own coaxial cable--similar to the kind used by CATV systems in their distribution. The Little Rock coax was provided free of charge by a Little Rock CATV company. The voice circuits once demodulated at the receiver sites, are multiplexed in a manner similar to the way long distance telephone calls are handled on microwave relays. The circuits are then distributed to the central repeater facility by the coax cable. The coax cable system also serves other functions for the city, including an elaborate intercom set up. Little Rock's 8 UHF channels are assigned as follows: 3 for the PD, 2 for the FD, other city departments share 2, and one is designated as an inter-departmental and co-ordinating communication channel plus overflow traffic channel. The lone VHF ch is used by the Sanitation Dept. David's

listening however, has turned up the following:

LRPD

Ch 7 453.150 R KNBP 362 -- "Red" = LRPD main dispatch ch.
Ch 8 453.200 R KNBP 361 -- "Black" = LRPD secondary ch., mostly wants/warrants
Ch ? 453.375 R call ? -- color ? = LRPD traffic control
Ch 9 453.400 R KNBP 361 -- color ? = LRPD possible inter-dept ch.
Ch ? 453.475 R call ? -- color ? = LRPD & animal control officers

LRFD

CH 5 453.700 R KNBJ 910 -- LRFD fireground ch.
Ch 1 453.875 R call ? -- LRFD fireground ch. (ed note: why two fireground?)
Ch 6 453.900 R KNBJ 910 -- LRFD main dispatch ch.

Very good, David. I enjoyed hearing all about this very neat but sophisticated state of the art and expensive system. I feel others also will have enjoyed hearing about it.

And now we will round out the column with a list and comments sent by Al Christopher, MS-8. So, Al, with our sincerest apologies to you for the long delay, let's turn the rest of the column over to you. And with that I will say to the rest of you---see you next month with more South Central PS material.

From AL, Ms-8:

In the December letter you asked for comments on a fire frequency of 154.160, this has been set aside for a statewide channel for one fire department in one city to talk to another if they have it in their radioes. Many departments are adding this when theyeither change frequencies or replace old units. Starkville FD is 154.235

The frequency of 155.340 was set up several years ago to be used as a state wide channel for hospitals and ambulances traveling through an to other cities.

The Mississippi Highway Patrol District 5, located here in Starkville, uses 456.55 as a base repeater to talk to the cars in the Western part of the state.

Haynes Ambulance Service which is based in Alabama covers the city of Columbus, Ms., they use 155.235

The Natchez Trace Rangers use 171.675, this is on a repeater also.

Below is a list of cities in my area with police and fire frequencies:

Starkville PD: 155.550 Simplex 155.73 car to car only 155.490 St. wide	Starkville FD: 154.235 154.160 St. Wide
Columbus PD: 155.130 Simplex 155.73 car to car 155.490 St. wide 155.43 Detectives	Columbus FD: 154.43 No St. wide
West Point PD: 155.58 Simpley 155.73 C to C 155.49 St. Wide	West Point FD: 154.43
Louisville PD: 155.31 Simplex 155.73 C to C 155.49 St. Wide	Louisville FD: N/A
Okalona PD: 155.25 Simplex 155.73 C to C 155.49 St. Wide	Okalona FD: N/A
Aberdeen PD: 155.415 Simplex 155.73 C to C 155.49 St. Wide	Aberdeen FD: N/A
Amory PD: 155.7 Simplex 155.73 C to C 155.49 St. Wide	Amory FD: 154.145
Tupelo and Meridian PD: 155.79 Simplex 155.73 C to C 155.49 St. Wide	Tupelo FD: 154.415 Meridean FD: 154.25

Public Safety - South Central continued

All universities: 155.595 Simplex 155.73 C to C 155.49 St. Wide	
Columbus Air Force Base: 149.295 police. They also have a security force, not much traffic from them.	CAFB FD: 173.59
Here are some SO's for area counties:	
Oktibbeha SO: (Starkville) Base to car 45.42 Car to base 45.38 St. Wide 45.22	
Clay SO: (West Point) Base to car 45.10 Car to base 45.34 St. Wide 45.22	
Lownds SO: (Columbus) B to C 45.18 C to B 45.30 St. Wide 45.22	Lownds Vol. FD: 154.205
Winston SO: Base to Car 45.10 Car to base 45.34 St. Wide 45.22	
State wide civil defense 45.92	

Some additional info on the Mississippi Highway Patrol, Z-zebra units are the helicopters used for traffic control on state highways and to transport the state governor. I have also heard state investigators on 155.535.

PUBLIC SAFETY — NORTH CENTRAL:

Send Public Safety and Special Emergency frequencies, radio system details, and questions as follows — Iowa, Kansas, Missouri, Nebraska, N. Dakota, S. Dakota, and Minnesota:

Michael W. Scheel, RR #1, P.O. Box 221, Walcott, IA 52773

Welcome to North-Central for April. We have items from Iowa, Kansas,Minnesota, And Missouri. I'm sure that we had a good time last winter listening to highway maintenance channels. So how about sharing them with the rest of us.

I have had to send my BC-250 back to Electra because after 3 years it developed a problem with the squlech. It's only been gone a week and all ready I miss the 50 channels.

++++++++IOWA++

Iowa Department of Public Safety 10 Codes
(from John Bryant IA-032 and Margaret Kaack IA-018)

The standard APCO Ten-codes are used with the following changes
10-27 Drivers License Information
D.L.1 to check for valid license
D.L.2 to check for previous O.M.V.U.I convictions
D.L.3 to check for age or description or serial number,etc
D.L.4 to check complete driving record
10-80 Chase in progress (in Davenport area it means a break)
10-86 Overtime
10-81,10-83,10-89,10-92,10-95,10-97 are not used

++++++++KANSAS++

We have a nice article written by Herb Fiddick (KS-030) about Johnson County Fire and Rescue.

JOHNSON COUNTY FIRE & RESCUE

Fire and rescue service for all of Johnson county, KS (a suburb of Kansas City) is provided by the county which contracts with some 22 city & private fire departments, mostly volunteer. All units are dispatched from the county offices in Mission on 154.25 Mhz. The various departments are identified by radio numbers assigned as follows: (some of the smaller departments are not listed)

"100"	series:	Lake Quivira Fire Department
200	" :	District 2 & 3 Fire(mostly Prairie Villiage & extreme NE county)
300	" :	Leawood Fire
400	" :	Overland Park Fire
500	" :	Mission Fire
600	" :	Merriam Fire
700	" :	Shawnee Fire
800	" :	Stanley Fire
900	" :	Lenexa Fire
1000	" :	Fire Dispatchers
1100	" :	Jo. Co. Medical Action ("Med-Act") (type I rescue units only)
1800	" :	Aubry Township Fire
2100	" :	Industrial Airport Fire
2200	" :	Olathe Fire

Within each series, the types of fire or rescue units are identified as follows:

20's & 30's	: Pumpers (i.e. 220, 233, 421, etc.)
40's	: Ambulances and rescue cars (almost all fire dept's run a type II rescue car or ambulance as a supplement to Med-Act's type I sevice)
50's	: Aerial trucks
60's	: Specialty vehicles, light trucks, etc.

All Johnson county fire and rescue units use the following "10" codes:

10-1	cannot recieve clearly	10-19	return to station
10-2	read loud & clear	10-22	disregard the call
10-3	stand by	10-33	emergency
10-4	10-4	10-38	non-emergency
10-5	relay message	10-42	returned to home
10-6	busy	10-47	non-injury auto accident
10-7	out of service, not avaliable for call	10-48	injury accident
10-8	in service	10-76	in route to hospital
10-9	repeat message	10-97	arrived at scene of call
10-10	out of service, available for call	10-98	completed last call
10-11	in route to call		
10-12	returned to station		
10-17	in route with one man on apparatus		

Other frequencies used by Johnson county:

154.205	"Frequency 2", information & major fire scene communications
154.07	Used when Freq 2 is busy
154.28	"Frequency 4", Kansas City metropolitan area mutual aid frequency.

The only transmitter for Johnson county fire and rescue is in Mission, with two or three recieving stations throughout the county. Olathe fire operates on a repeater on 453.75 Mhz

which also repeats the dispatcher. Olathe units, with the exception of "2241" (the rescue car) cannot be heard on 154.25 .
Note of interst- They dispatch all units with a tone system, and they run a test of all tone combinations on every Saturday and Sunday evenings at 7:00 PM.

+++++++Minnesota++

We have some more from James Schnoor (MN-003) about the various state radio systems. Unfortunatly I had to redraw the maps and left some details out. Control links, secondary stations calletters.

The Minnesota State Patrol Radio System chart indicates the districts of the MSP and the locations of the towers in each district. The counties included in each MSP district and mobile radio configuration was listed in the April and May 1982 issues of RCMA Public Safety-Central. The frequencies listed above the chart deserve some discussion. 45.660 is the Hennepin County Intersystem channel. MSP is licensed for operation on this frequency from the West Metro District Office (Golden Valley) and the East Metro District Office (St. Paul) along with Hennepin County Sheriff Radio and every department within Hennepin County that has an independent dispatch center. 155.370 is a statewide intersystem frequency that is licensed to every sheriff's office and a number of police departments in Minnesota. It is referred to as "Point-toPoint" and is accessed through the use of rotary dialed subaudible tone codes to "open up" a tone coded squelch at a specific agency. Point-to-point sees very little use in the Twin Cities Metro area, but is used more often in the rural areas depending on what other frequencies are shared by agencies. Although 155.370 is listed on this chart as a "BASE ONLY" frequncy, I believe that the Bureau of Criminal Apprehension's (BCA) cars still are licensed for and equipped with the point-topoint channel complete with on board tone coders for use statewide.

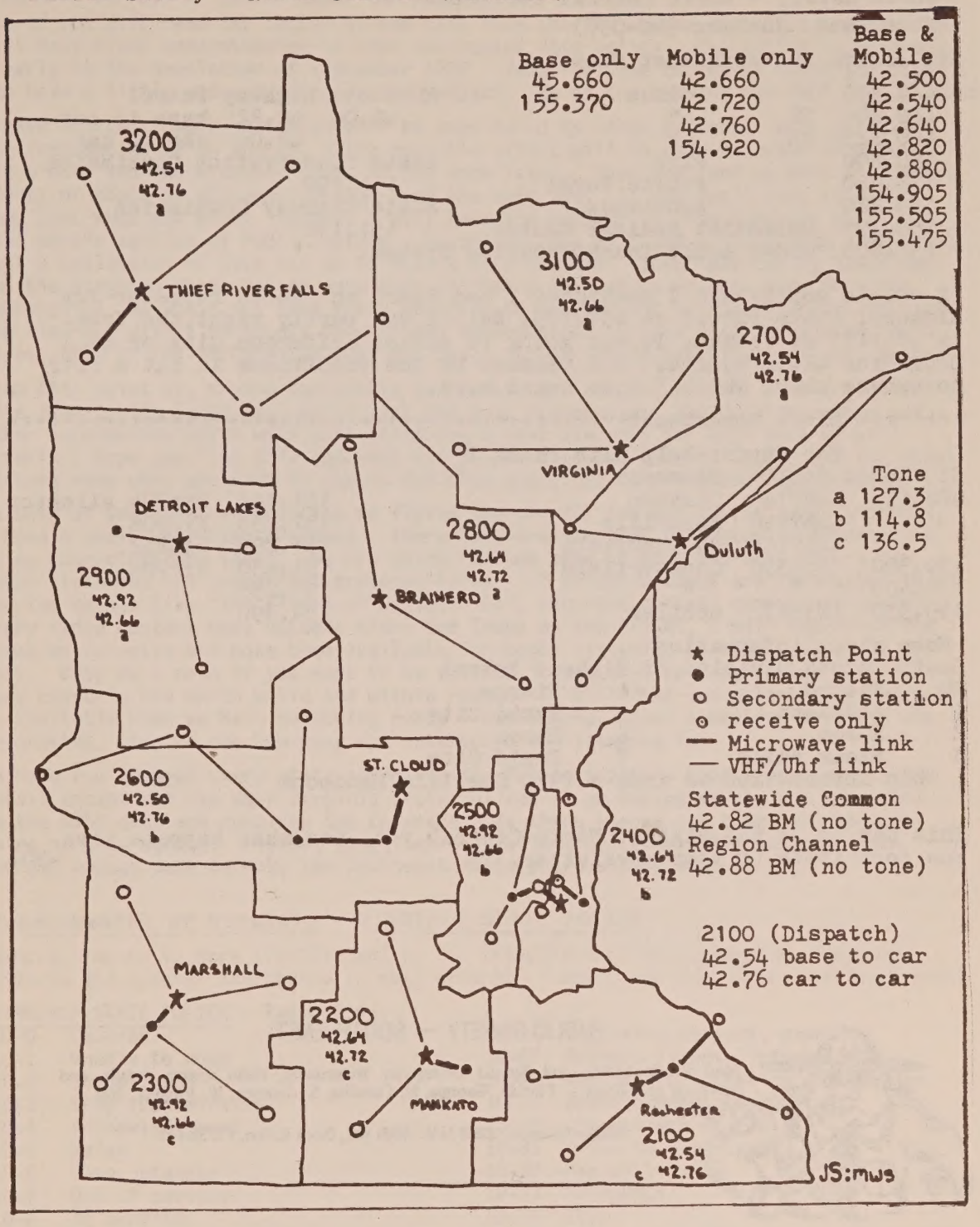
The mobile only low-band frequencies listed 42.660, 42.720, and 42.760 are assigned to a specific MSP district with a separate subaudible tone code assigned to each district. 154.920 is the input frequency to the Minnesota Capitol Security repeater in St. Paul.

The BASE & MOBILE" frequencies 42.500, 42.540, 42.640, and 42.920 are paired with a mobile frequency and tone and assigned to a district. 42.820 is the MSP Statewide channel (F-4 in the cars) and used for point to point communications between district offices and for a car to contact a district office when outside of the district he is stationed. 42.880 channeled as F-3 in the cars and is referred to as the aircraft and radar channel. It is used extensively by "Project 55" cars and other special operations as a car-to-car channel. 155.505 is the output frequncy of the Capitol Security repeater. 154.905 is used as a hi-band link in the Mankato and Detroit Lakes Districts as well as the simplex channel for security at the Governor's Mansion. 155.475 is the nationwide emergency frequency and known by the acronym MINSEF. This is channelled as F-4 in virtually all vehicles in Minnesota.

The Department of Corrections is assigned the frequency pair 155.445/154.695 for use with its repeaters located at its facilities around the state. The DOC vehicles usually are also equipped for operation on the resident county sheriff's department channels for coordination during manhunts for escaped prisoners, etc. The Attorney Genral uses low-band frequencies 42.560, 42.780, 42.860,and MSP F-4 42.820 for its operations.

The BCA in St. Paul operates on the 154.665/155.460 in the metro area. In outstate Minnesota the BCA may use its own channels, MINSEF, point-to-point, MSP, or resident police/sheriff's department radios for their investigations. 458.300/453.300 is licensed to the state in the Police Radio Service and communications are apparently scrambled in a very sophisticated manner (possibly Digital Voice Protection, not just audio inversion). This is believed to be used by the BCA for sensitive communications.

The Minnesota State Patrol has long been rumored to be switching to VHF hi-band because of lack of space in the smaller new squad cars, and the fact that present communications require two radios: a VHF lo-band radio for MSP communications and a VHF hi-band radio for MINSEF access. The remaining three channels in the high-band VHF radios are receive only to monitor resident sheriff communications.



++++++++Missouri++

From Randy Grimes (MO-077)

Ozark County Sheriiff

155.040	
155.070	
155.370	point to point
155.730	statewide sheriff
155.595	MO Boat Commission
151.295	MO park Rangers
151.370	MO fish & Wildlife

Springfield Police

154.860	
155.490	traffic
156.090	
453.800	

Public Safety - North Central continued

From Randy Jackson (MO-057)

ST. Joseph and northwest Missouri

460.150	F1	Police	MO State Highway Patrol	
460.200	F2	"	42.06	42.22 base to car
460.225	F3	"		42.06 car to car
460.600		Fire	State Conservation Commission	
1 153.920		Public Works	151.190	
155.220		Ambulance	State Highway Commission	
155.205	Methodist Medical Center		151.130	
151.805	Older Adult Transportation System			

A couple months ago I mentioned I had heard an remote repeater for Missouri State Patrol on 451.175. Well I was partly right,the freq. is 456.175 at Canaan. It was going to either Jefferson City or St. Louis for 42.32 mobile. But because of the conditions it hit a rptr somewhere else. Which I then heard here.

++++++++Misc. Department++

Can Anyone help with these ?

St. Louis County, Missouri

462.550	Kaz7145	Clayton	151.145	Wyr704 Allenton
	Kaz7146	Mehlville	151.235	Kyb906
	Kaz7148	Chesterfield	151.295	Kje232
159.300	Kncz350	Chesterfield	151.430	Wyr704
159.405	"	"	159.255	
159.330	KK3593	mobiles	159.390	

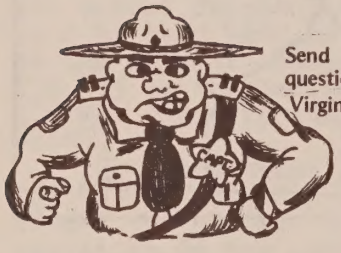
More misc. information

South Dakota Division of Highway Patrol

HQ	Pierre	4	Pierre
1	Aberdeen	5	Rapid City
2	Huron	6	Huron
3	Sioux Falls	7	Rapid City

this information is from a 1970 Sheriffs Handbook

This has to be the Biggest North-Central yet. See what happens when you contribute to your newsletter. 73 -30-



PUBLIC SAFETY — SOUTH EAST:

Send Public Safety and Special Emergency frequencies, radio system details, and questions as follows — Florida, Georgia, N. Carolina, S. Carolina, W. Virginia, and Virginia:

William Mauldin, 2268 N.W. 30th Rd., Boca Raton, FL 33431

PUBLIC SAFETY - SOUTHEAST

INTRODUCTION: Greetings! Before we get into some really interesting things this month, I have a few things that need comment. First, when you send me anything, you will get an acknowledgement. If you don't get the card in a reasonable time, I did not get the material. This is done for two reasons - to say thanks and to let you know if I will be using the materials. Second, when you write and request any special information, it is very helpful to have a stamped, self-addressed envelope to use for your reply. It is not totally necessary, but it will be appreciated. Third, when you write PLEASE give me your full name, address and membership number. Club policy does not give editors access to the membership role, and it is helpful to have everything mentioned. Finally, I will not print anyone's full name when giving credit for article information unless you tell me it is okay. More members prefer just the first name and club ID number, so this is now my policy just to make things standard.

To comment generally on the most asked about subject... it continues to be club policy not to publish "classified" federal frequencies. I feel as most of you do about this,

but if you will read the letter to the club from the FCC in the June 1982 edition, you will have clear understanding of what has caused this policy. The policy is printed clearly in the Newsletter of September 1982. Take the time to review these two items and have a little understanding on the subject. We do the best we can with what we have.

I have started something I hope will be considered by other editors. When printing the frequencies of an agency, every possible effort will be made to print both the radio data and the dispatch codes in the same issue. When you send me data on a city, county or state or whatever, PLEASE send the code too. If you don't know it all, send just what you have! Perhaps I will have the rest of it from somebody else. In this months section of Public Safety - Southeast, you will see a first hand example of what a collection of data can do to make a nice article. Both "Monitoring Tampa Bay" and the Virginia State Police were made-up from a collection of data from YOU, the membership! We would not have these articles if members had not cared enough to take the time and effort to supply me with the information. If you want interesting articles, SEND IN THE INFORMATION that YOU have! Every little bit helps! It will be used!

From this point on, trying constantly to improve the column, we will have articles like "Monitoring Tampa Bay" which list the best frequencies, the complete codes and other information which will make listening a real pleasure for each area we will cover! I hope you like this approach and please take the time to let me and the other editors know what you want to see in OUR club magazine! Any comments appreciated!

As most of you know, in addition to flying the ole 727 for one of the major airlines, I have a small recording business. There have been several requests for information on my communications tapes. We are going through some of them and will make a few hobby listening and commercial training tapes. If enough members are interested in hearing things like "The Flight of National 24", recorded cockpit communications of every radio contact made between Miami and Tampa on the flight, I will reproduce the tapes on cassette and make them available for hobby listening to RCMA members at my cost. Drop me a note if you want to be advised if and when we have enough to make a mass cassette run worth while and within reason. I will send you a listing of what is available when we have something ready - not before.. just a mailing list for the interested, once we see how many are interested in listening in.

We have now covered every state patrol in the Public Safety - Southeast area in some detail except for the West Virginia State Police. I am hoping we can get some data on the WVSP soon and complete the coverage. Is there anyone out there who has anything on this agency? Please, gang, let's give it a collective try and see if we and get enough data to make the Southeast state patrols complete!

Commonwealth of Virginia - VIRGINIA STATE POLICE

Special thanks to Mark (VA-051) and to Tal (VA-031) for their excellent research efforts and special assistance in this effort! I could not have done it without them!

VIRGINIA STATE POLICE - Radio Code:

10-0	Caution
10-1	Unable to copy
10-2	Signal good
10-3	Stop transmitting
10-4	Acknowledgement
10-5	Relay
10-6	Busy, standby
10-7	Out of service
10-8	In service
10-9	Repeat
10-10	Fight in progress
10-11	Dog case
10-12	Standby (stop)
10-13	Weather / road report
10-14	Prowler report
10-15	Civil disturbance
10-16	Domestic problem
10-17	Meet complainant
10-18	Complete assignment quickly
10-19	Return to _____
10-20	Location
10-21	Call by telephone
10-22	Disregard
10-23	Arrived at scene
10-24	Assignment completed
10-25	Report in person (meet)
10-26	Detaining subject, expedite
10-27	Drivers license information
10-28	Vehicle registration information
10-29	Check records for wanted
10-30	Illegal use of radio
10-31	Crime in progress
10-32	Man with gun
10-33	EMERGENCY
10-34	Riot
10-35	Major crime alert
10-36	Correct time
10-37	Suspicious vehicle
10-38	Stopping vehicle
10-39	Urgent, use siren/lights
10-40	Silent run, no siren
10-41	Beginning duty tour
10-42	Ending duty tour
10-43	Information
10-44	Request permission to leave patrol for _____
10-45	Animal carcass
10-46	Assist motorist
10-47	Emergency road repairs
10-48	Traffic stand needs repairs
10-49	Traffic light out at _____

10-50	Accident, (F,PI,PD)	10-75	In contact with
10-51	Wrecker needed	10-76	Enroute
10-52	Ambulance needed	10-77	ETA
10-53	Road blocked at _____	10-78	Need assistance
10-54	Livestock on highway	10-79	Notify coroner
10-55	Intoxicated driver	10-80	Chase in progress
10-56	Intoxicated pedestrian	10-81	Breatherlizer report
10-57	Hit & run (F,PI,PD)	10-82	Reserve lodging for _____
10-58	Direct traffic	10-83	Work school crossing
10-59	Convoy or escort	10-84	If meeting, advise time
10-60	Squad in vicinity	10-85	Delayed due to _____
10-61	Personnel in area	10-86	Operator on duty
10-62	Reply to message	10-87	Pickup/distribute checks
10-63	Prepare to make written copy	10-88	Advise phone number of ____
10-64	Message for local delivery	10-89	Bomb threat
10-65	Net message assignment	10-90	Bank alarm
10-66	Message cancellation	10-91	Pickup prisoner
10-67	Clear for net message	10-92	Improperly parked vehicle
10-68	Dispatch information	10-93	Blockade
10-69	Message received	10-94	Drag racing
10-70	Fire alarm	10-95	Prisoner in custody
10-71	Advise nature of fire	10-96	Mental subject
10-72	Report progress of fire	10-97	Check (test) signal
10-73	Smoke report	10-98	Jail break
10-74	Negative	10-99	Records indicate wanted

VIRGINIA STATE POLICE - Radio SIGNALS

Signal 16 Radar by groups of state police troopers
Signal 17 Radar, vehicle mounted
Signal 18 Plane crash
Signal 25 Turn on mobile relay
Signal 26 Turn off mobile relay

Note: This may not be a complete Signal listing. Anyone who has corrections, please send them for a future update!

The Virginia State Police uses four frequency pairs along with a single simplex freq- for short distance communications. State Police also use a low band channel for the contacts with local departments. There is CB radio communication for direct contact with the general public. State police cars monitor channel 9 for CB contact with the general public. All state police cars have the state-wide 39.540 MHz low band radio for contact with other departments. The four base/car VHF frequencies are noted:

Channel No.	Base Freq.	Mobile Freq.		
1	158.985	154.905	------	Richmond, 1st Division KIC365
				Salem, 6th Division KID667
2	159.000	154.935	------	Richmond, 1st Division KIC365
				Wytheville, 4th Division KIC368
9	159.165	155.445	------	Chesapeake, 5th Division KIC410
				Culpepper, 2nd Division KIC367
10	159.135	155.460	------	Chesapeake, 5th Division KIC410
				Appomattox, 3rd Division KIB701
				Alexandria, 7th Division KIC367
		154.665	------	State-wide Simplex

To date, I have not received a map showing the boundry of the Virginia State Police Division assignments. Note in the "Signals" listed above Signal 25 and 26. The VSP radio system has a way of inter-connecting receivers and transmitters to allow vehicle to vehicle communications for a wide area. A car in Northern Virginia can talk car-to-car to a VSP car in Richmond if necessary.

The VSP system is made up of central dispatcher locations, mostly at the Division Headquarters, and remote transmitter and receiver sites throughout the desired Division or coverage area. Locations of these transmitter sites can be found in the usual FCC files or publications such as POLICE CALL. The FCC files still show the old low band frequencies as current, however, these are reported inactive by the RCMA members living in the state. These old frequencies are 42.860 and 42.880 MHz. There is a state-wide low band system still used in Virginia, and the VSP still uses the system to work local departments. This system operates on 39.500 and 39.540 MHz.

The tone transmitted by VSP mobile units at the beginning of each transmission sends unit identification to the digital display at the dispatcher location. Messages such as on and off duty, off duty emergency, busy, acknowledgement, assignment completed, request relay and disregard can be transmitted to the dispatcher without use of the microphone with the tone system. Vehicles are also using sub-audible tones in transmitter and receiver. Some VSP mobile units do have vehicle repeaters so that

hand held radios can be used by troopers.

Editor Comment: The Virginia State Police has been one of the more difficult State Police agencies to get information on. It would be appreciated if members would take the time to send in any corrections or additions for a future update on the VSP!

State of Florida - MONITORING IN THE GREATER TAMPA BAY AREA

Special thanks to Joe (MD-015) and Randy (MO-077) who helped considerably with the data in this article. I am sure, they did an excellent job! There were others too. My sincere thanks to you all! Hopefully this is a sample of what we can continue doing.

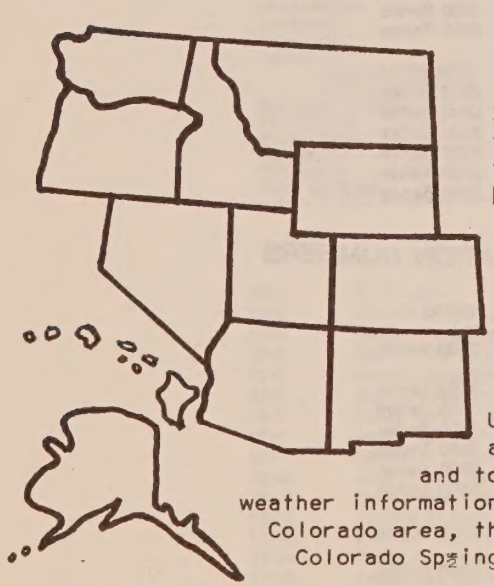
MONITORING IN THE GREATER TAMPA BAY AREA

30 of the most active frequencies in the Greater Tampa Bay area:

154.430	Tampa Fire Dispatch F1	154.220	Tampa Fire F2 fireground
154.130	Hillsborough Fire, south F1	154.175	Hillsborough Fire, north F2
155.220	EMS Main Dispatch, F1	450.450	WFLA News
170.150	WTSP News	450.350	WTVT News
453.550	Tampa Police, west, F1	453.700	Tampa Police, east, F2
453.800	Tampa Police, detectives F3	453.850	Tampa Police, TAC, F4
453.750	Tampa Police, Info, F6	453.875	Tampa Police, car to car
154.650	Hillsborough Sheriff F1	155.130	Hillsborough Sheriff DISPATCH
154.950	Hillsborough Sheriff F3	155.010	Hillsborough Sheriff Detective
453.400	Airport Police, TPA Intl.	155.370	FLA Intercity Police
452.975	St Pete Times	153.920	Hillsborough Disaster Control
44.800	Fla Marine Patrol Dispatch	45.060	FHP Base to Base Intersystem
460.275	Clearwater Police Dispatch	156.800	Coast Guard / Marine Emergency
155.325	EMS F2 to Hospitals	463.150	EMS to doctors & hospitals
154.680	FHP Tampa (FHP F2)	154.920	FHP Aircraft & car to car

20 Additional frequencies that you might find interesting when monitoring the Tampa Bay Area. Space will not allow listing everything that we have on file, but this listing should give you complete coverage for everything taking place in the Bay Area.

154.775	Pinellas Sheriff Dispatcher	154.815	Pinellas CDC #1 Dispatch
155.640	Pinellas Sheriff Dispatcher	155.745	Pinellas Sheriff Airport
460.325	St Pete Beach Police	155.730	St Pete Police, Central
155.910	St Pete Police, North	154.965	St Pete Fire
155.340	Area Hospital Channel	155.280	Area Hospital Channel
154.665	FHP (F1) Dispatcher	155.695	FHP (F3) Dispatcher
163.4875	McDill AFB Police	173.5875	McDill AFB Police
159.300	Div of Forestry Dispatcher	47.420	American Red Cross Base
159.330	Div of Forestry Dispatcher	151.385	Game & Freshwater Fish Disp
45.100	Alcholic Bev agents	44.960	Fla Marine Patrol Dispatch



PUBLIC SAFETY WEST

Send Public Safety and Special Emergency frequencies, radio system details and questions for Alaska, Arizona, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington and Wyoming to:

George N. Hoggatt
17473 E. 16th Dr.
Aurora, CO 80011

* * * * * * * * * * * * * * * * *

Should be about time for those April showers. Unfortunatly, sometimes, those showers are accompanied by unpleasant things such as hail and tornadoes. In many areas the best source of weather information is on the local ham repeater. In the Denver Colorado area, the 146.940 repeater is the one. In the Colorado Springs area 146.670.

MORE BAD GUYS WITH SCANNERS

There is a gang of bank robers operating in our area, 14 robberies since 1980. One of the identifying features is that they monitor the police.

In early February in Denver, FBI agents shot a bank robbery suspect. Some of the news reports showed a picture of a "walkie-talkie" or pocket scanner that they said he was carrying to monitor the police. If it was a scanner it was NOT a BC-100 but could have been one of the others.

RCMA MAKES THE INTERNATIONAL PUBLICATIONS

I bought a new shortwave receiver today and also picked up the latest copy of the WORLD RADIO TV HANDBOOK (for those who don't know the WRTH is the authority on shortwave broadcast). The RCMA is listed in the WRTH and is also listed in the guide book that comes with the shortwave receiver (Sony). Looks like we may have made the grade.

FREE AD (sort of)

I have now seen a copy of the Police and Fire Listing and it is a lot more than last year. Covers Oregon, Washington and British Columbia in all areas from broadcast to aircraft to police, fire , etc. plus Federal Government. I am assuming that I can use it to fill out the column just like last year. That's why they get this free promo.

POLICE & FIRE FREQUENCY LISTING
P.O. BOX 4230
VANCOUVER, WA 98662

OREGON STATE POLICE Tom Yingling (MD-008)

Station Number	Office	Primary Frequency	Mobile No.
95	* General Headquarters	F-2 & F-7	9500 Series
95A	National Guard Mobile Command Post		
95E	Emergency Operations Center Capitol Bldg.		
	Crime Laboratories		9800 Series
10	District I		1000 Series
10	* Portland	F-7 & F1	1100 Series
10A	Government Camp	F-7	1100 Series
13	* Astoria	F-1	1300 Series
14	McMinnville	F-1	1400 Series
15	Columbia City	F-1	1500 Series
17	Tillamook	F-1	1700 Series
18	* Beaverton	F-1	1800 Series
20	District II		2000 Series
21	* Salem	F-2	2100 Series
21A	Mill City	F-2	2100 Series
21B	Dallas	F-2	2100 Series
22	Lincoln City	F-2	2200 Series
23	* Albany	F-6	2300 Series
23A	Sweet Home	F-6	2300 Series
23B	Santiam Junction	F-2	
25	* Eugene	F-6	2500 Series
25A	Oakridge	F-6	2500 Series
25B	Blue River	F-6	2500 Series
26	* Newport	F-2	2600 Series
26A	Florence	F-2	2600 Series
27	Corvallis	F-2	2700 Series
28	Cottage Grove	F-6	2800 Series

*24 hour Station

September, 1981

RADIO IDENTIFICATION NUMBERS

Station Number	Office	Primary Frequency	Mobile No.
30	District III		3000 Series
31	* Medford	F-3	3100 Series
33	* Coos Bay	F-3	3300 Series
34	Gold Beach	F-4	3400 Series
35	* Grants Pass	F-3	3500 Series
37	* Roseburg	F-3	3700 Series
38	Gardiner	F-3	3800 Series
40	District IV		4000 Series
41	* Baker	F-4	4100 Series
41A	John Day	F-4	4100 Series
46	* La Grande	F-4	4600 Series
46A	Enterprise	F-4	4600 Series
47	* Ontario	F-4	4700 Series
47A	Burns	F-4	4700 Series
48	* Pendleton	F-4	4800 Series
48A	Milton-Freewater	F-4	4800 Series

49	* Hermiston	F-4	4900 Series
50	District V		5000 Series
51	* Bend	F-5	5100 Series
51A	Madras	F-5	5100 Series
51B	Prineville	F-5	5100 Series
51C	Warm Springs	F-5	
53	* The Dalles	F-5	5300 Series
53A	Hood River	F-5	5300 Series
54	Arlington	F-5	5400 Series
56	* Klamath Falls	F-5	5600 Series
56A	Gilchrist	F-5	5600 Series
56B	Lakeview	F-5	5600 Series
56C	O'Dell Lake	F-5	

P1 42.88
P2 42.94
P3 42.82
P4 42.86
P5 42.92
P6 42.90
P7 42.56
P8 42.44

Location	Station	Channel	Call Sign
Albany	23	P6	KD[illegible] 231
Arlington	43	P4	KQA 381
Astoria	13	P1	LQA 418
Baker	41	P4	LQA 383
Basque	47B	P4	KYO 328
Beaverton	18	P1	KQA 349
(Standby)			KVA 741
Bend	51	P7	KQA 896
Blue River	25B	P6	KQA 485
Burns	47A	P4	KQB 311
Coos Bay	33	P3	KQB 307
Corvallis	27	P2	KD[illegible] 231
Cottage Grove	28	P6	KJY 513
Dallas	21B	P2	KYO 267
Enterprise	46A	P4	KQA 823
Eugene	25	P6	KQA 693
(Civil Defence)	57	P2	KQA 693
Florence	26A	P2	KJW 724
Gilchrist	56A	P7	KQL 482
Gold Beach	34	P3	KEP 653
Government Camp	11A	P5	KQB 202
Grants Pass	35	P3	KQA 513
Hermiston	49	P4	KQA 382
			KZA 520
Hood River	53A	P7	KVW 611
John Day(Hiway)	41A	P4	KQB 309
John Day(C&P)	41C	P4	KQB 309
Klamath Falls	56	P7	KYT 247
La Grande	46	P4	KQA 744
Lakeview	56B	P7	KJE 229
Lincoln City	22	P2	KEA 530
Madras	51A	P7	KVJ 735
McMinnville	14	P1	KOI 284
Medford	31	P3	KBG 513
Mill City	21A	P2	KSZ 324
Milton-Freewater	48A	P4	KEA 531
Portland	11	P1	KQA 745
Multnomah	19	P5	KQA 745
Newport	26	P2	KQA 315
Oakridge	25A	P3	KVG 920
Odell Lake	56C	P3	KQA 296
Ontario	47	P4	KQA 384
Pendleton	48	P4	KQA 382
			KAE 391
Prineville	51B	P7	KOL 354
Reedsport	38	P3	KVG 919
Roseburg	37	P3	KQB 310
Salem	21	P2	KQA 598
(Headquarters)	55	P2	KQA 598
(Civil Defence)	56	P2	KQA 598
Santiam Junction	23B	P2	K[illegible]U 299
St. Helens	15	P1	KQN 822
Sweet Home	23A	P2	KUU 311
The Dalles	53	P7	KQA 293
Tillamook	17?	P1	KQB 877
Warm Springs	51C	P5	KQN 728

RADIO CODES

12-1	In Service
12-2	Out of Service
12-3	Return to Office
12-4	Call Office by Phone
12-5	Repeat Message
12-6	Contact Address or Complainant
12-7	Motor vehicle registration
12-8	Motor vehicle registration and legal owner
12-9	Check PUC status
12-10	Check for Operator's license
12-11	Desire description from Operator's license
12-12	Unable to copy, Change location
12-13	Stations and/or Cars called Prepare to write
12-14	Relay following to Station
12-15	Locate for Emergency Message
12-16	Motor vehicle accident
12-16A	Motor vehicle accident, fatal
12-16B	Motor vehicle accident, injuries, no ambulance
12-17	Motor vehicle accident, ambulance dispatched
12-18	Dispatch ambulance
12-19	Dispatch tow car

Public Safety - West continued

12-20	Check for Wanted or Stolen
12-20A	Can subject hear radio?
12-21	No record or report
12-22	Prior Misdemeanor record - not wanted
12-23	Prior Felony record - not wanted
12-24	Subject wanted - A or B
12-25	Similar subject record, added info required
12-26	Base station going out of service
12-27	Call by radio on arrival at office
12-28	Suspicious person
12-29	Disturbance
12-30	Reckless driver
12-31	Intoxicated driver
12-32	Intoxicated person
12-33	EMERGENCY - All stations remain silent
12-34	Resume normal operations and traffic
12-35	Abandoned motor vehicle
12-36	Illegal hunting - vicinity
12-37	Advise road and weather vicinity
12-38	Switch radio frequency
12-39	Attention all stations
12-40	Standby, busy
12-41	Your traffic
12-42	No traffic
12-43	Disregard previous transmission
12-44	Accident or Spill - Hazardous Material
12-45	Burglar alarm
12-46	What is the telephone number of your station?
12-47	Computer files temporarily unavailable
12-48	Computer files now available
12-49	Death investigation
12-49A	Possible homicide
12-50	Message not radio traffic, handle by common carrier or mails
12-51	Radio repairs required at (station no.) or vehicle call number
12-52	Radio technicians enroute your station
12-53	Regular power out, operating on emergency power plant
12-54	Testing station, desire report of voice quality and strength
12-55	Transmit an equipment test, count one to five
12-56	No help immediately available - nearest patrol being dispatched
12-57	Disabled motorist
12-58	Narcotic activity
12-59	Late return, advise my residence
12-98	Officer needs assistance - Non Emergency
12-99	Officer needs assistance - Emergency

IDAHO Jeff Minckler (new member)

HELENA BANK 1		FAIRFIELD OPTIONAL		BUTTE OPTIONAL	
1 HELENA POLICE	154.965	21 TETON COUNTY	154.965	21 BUTTE POLICE	39.80
2 L & C SHERIFF	39.76	22 TETON COUNTY	155.050	22 BUTTE POLICE	39.70
3 SHERIFF RPTR	158.790	23 TETON SHERIFF	39.82	23 S.B. SHERIFF	39.88
4 SHERIFF RPTR	154.725	24 TETON SHERIFF	39.86	24 BUTTE CITY	155.865
5 E. HELENA POLICE	39.86	25 SHERIFF RPTR	155.070	25 S.B. COUNTY	154.980
6 STATE L.E. #1	39.82	26 SHERIFF RPTR	159.150	26 BUTTE FIRE	154.430
7 STATE L.E. #2	39.88	27 SPECIAL	155.280	27 BUTTE FIRE	154.130
8 HELENA FIRE	154.385	28 HIGHWAY PATROL	39.92	28 AMBULANCE	155.325
9 HELENA CITY	155.100	29 HWP REPEATER	154.665	29 AMBULANCE	155.385
10 HELENA WEATHER	162.400	30 GREENFIELD IRR	46.54	30 HOSPITAL	155.280

HELENA BANK 2		BILLINGS OPTIONAL		BOZEMAN OPTIONAL	
11 HIGHWAY PATROL	39.92	21 BILLINGS POLICE	155.610	21 BOZ POLICE	154.725
12 HWP REPEATER	154.665	22 BILLINGS POLICE	154.725	22 BOZ POLICE	154.652
13 HWP REPEATER	154.920	23 YLSTN SHERIFF	39.76	23 BOZ POLICE	155.670
14 AMBULANCE	155.325	24 YLSTN SHERIFF	39.82	24 GAL SHERIFF	39.56
15 AMBULANCE	155.340	25 HIGHWAY PATROL	39.92	25 GAL SHERIFF	39.96
16 HOSPITAL	155.175	26 HWP REPEATER	159.210	26 MSU POLICE	39.60
17 HOSPITAL	155.280	27 BILLINGS FIRE	154.370	27 BOZ FIRE	154.250
18 MOUNTAIN VIEW	155.895	28 BILLINGS FIRE	154.340	28 BOZ CITY	158.820
19 STATE DISASTER	39.98	29 AMBULANCE	155.160	29 GAL FIRE	153.770
20 HIGHWAY MTCE	47.04	30 AMBULANCE	155.295	30 HOSPITAL	155.280

STATE BANK 4		GREAT FALLS OPTIONAL		GLENDIVE OPTIONAL	
31 GNRL LAW ENFRC	39.50	21 GRT FLS POLICE	453.050	21 GLEN POLICE	39.82
32 GNRL LAW ENFRC	39.52	22 GRT FLS POLICE	453.300	22 GLEN POLICE	39.88
33 GNRL LAW ENFRC	39.54	23 CSDE SHERIFF	39.82	23 GLEN POLICE	39.96
34 GNRL LAW ENFRC	39.56	24 CSDE SHERIFF	39.84	24 GLEN CITY	154.980
35 GNRL LAW ENFRC	39.60	25 GRT FLS FIRE	154.415	25 GLEN CITY	154.880
36 GNRL LAW ENFRC	39.62	26 GRT FLS FIRE	154.235	26 HOSPITAL	155.280
37 GNRL LAW ENFRC	39.66	27 AMBULANCE	462.950	27 HOSPITAL	155.340
38 GNRL LAW ENFRC	39.70	28 AMBULANCE	168.075	28 HWP REPEATER	164.665
39 GNRL LAW ENFRC	39.72	29 HIGHWAY PATROL	39.92	29 HWP REPEATER	159.210
40 GNRL LAW ENFRC	39.82	30 HWP REPEATER	154.665	30 EASTMONT PTS	155.235

STATE	BANK 5		MISSOULA OPTIONAL	
41	GNRL LAW ENFRC	39.84	21 MSLA POLICE	39.94
42	GNRL LAW ENFRC	39.86	22 MSLA POLICE	39.72
43	GNRL LAW ENFRC	39.88	23 MSLA SHERIFF	39.52
44	GNRL LAW ENFRC	39.90	24 MSLA SHERIFF	39.88
45	HIGHWAY PATROL	39.92	25 MSLA FIRE	154.430
46	GNRL LAW ENFRC	39.94	26 MSLA CITY	154.040
47	HWP RPTR (GNRL)	154.665	27 VALLEY FIRE	153.890
48	HWP RPTR (BUTTE)	154.815	28 RURAL FIRE	46.06
49	HWP RPTR (MSLA)	154.920	29 AMBULANCE	155.385
50	HIGHWAY MTCE	47.04	30 AMBULANCE	155.280

	HELENA OPTIONAL		FLATHEAD OPTIONAL	
21	L & C COUNTY	153.785	21 KALSPL POLICE	39.62
22	L & C COUNTY	155.865	22 COL FAL POLICE	39.70
23	HELENA TOWER	188.300	23 SHERIFF RPTR	39.96
24	GROUND TO AIR	122.800	24 SHERIFF RPTR	39.56
25	AIR TO AIR	122.900	25 REGIONAL L.E.	39.82
26	HELENA ANSWERING	152.150	26 REG. L.E. RPTR	39.88
27	MONTANA POWER	158.130	27 KALSPL FIRE	158.805
28	HAM REPEATER	146.760	28 HOSPITAL	155.280
29	L & C FOREST	166.775	29 HOSPITAL	155.340
30	HELENA FOREST	169.175	30 BORDER PATROL	163.625

MORE IDAHO Douglas McDougall (CAN-041)

BASE	MOBILE	TYPE	CHAN	USE
155.205	155.205	PS BM		Canyon County Ambulance
460.325	465.325	pp RP		Canyon County Sheriff
460.325	465.325	PP RP	1	Idaho Falls Police dispatch
none	465.275	PP MO	2	Idaho Falls Police mutual aid
460.250	465.250	PP RP	3	Idaho Falls Police car to car
154.190	154.190	PF BM		Idaho Falls Fire
460.100	465.100	PP RP		State Police dispatch
460.200	465.200	PP RP		State Police dispatch
none	465.275	PP MO		State Police mutual aid
460.025	465.025	PP RP		Fremont County Sheriff Dispatch
460.075	465.075	PP RP		Fremont County Sheriff car to car
460.450	465.450	PP RP		Bonneville County Sheriff

KING COUNTY, WASHINGTON Ron Murray (ex CA-VE-013)

E=engine M=medic unit R=Rescue
A=Aid car L=Ladder

King County Fire District #44 Lea Hill
F1=154.280 Dispatched by Dist. 39
F2=154.250 South County Fire Net

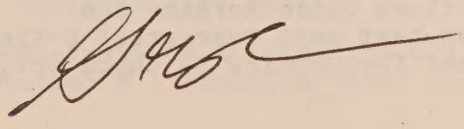
STATION	LOCATION	EQUIPMENT
91	31709 Kent-Black Diamond Rd.	E91, E96, A91
92	31204 124th S.E.	E92, A92, R92
93	18610 S.E. Covington-Sawyer	E93

King County Fire District #39 Federal Way
F1=153.950 KOL644, KZT533
F2=154.220

1	2926 S. 368th (Five Mile Lake)	E1, E10, A10
2	3640 S. 272nd (Woodmont)	E2, E20, L20, A20
3	33414 21st S.W. (Twin Lakes)	E3, A3, M8
4	31132 28th S. (Federal Way)	E4, A4
5	4966 S. 298th (Federal Way)	E5, A5
6	2847 S. 33rd (Kitts Corner)	E6, E60, A60
7	27010 15th S. (Star Lake)	E7, R7
8	1405 S.W. 312th (Mirror Lake)	E8

E10, E20, and E60 are staffed by full time paid firefighters. All others are volunteer.

That's all again. And that is just about all the data I have. Better send more, we are about broke again.



Public Safety-California

Public Safety-California P.O. Box 3962 Santa Fe Springs, California 90670-1962

PUBLIC SAFETY - CALIFORNIA

Send Public Safety and Special Emergency frequencies, radio system details and questions to:

Public Safety, California, P.O. Box 3962, Santa Fe Springs, CA 90670-1962

WELCOME TO R.C.M.A. PUBLIC SAFETY-CALIFORNIA FOR APRIL 1983

Lots of good information this month, although new contributions have noticeably dropped off. Keep sending in those outstanding articles and frequency lists so that we can keep P.S. California the BEST section in the R.C.M.A. Newsletter.

****

From ERIC (CA-LA-045):

Monitoring the Rose Parade - and I was there!

Your favorite RCMA PS CALIF editor (Eric) had the opportunity to participate as a ham (amateur) radio operator for the Pasadena Tournament of Roses Parade this past January. I started out working shuttle bus radio operator from 1800 hrs. Dec. 31, 1982 until 0100 hrs. Jan. 1, 1983. At 0100 hrs., I was relieved by the second shift (bus) radio operator. At this time I worked as a foot patrol on Orange Grove Blvd. until 0800 hrs.

People watching is quite an experience, and checking out those who camp out for the Parade is especially fun. There was even one guy who parked his sofa, electric generator, home stereo receiver and speakers, desk lamp and portable electric heater on some guy's front yard along Orange Grove Blvd! Bizarre! (I wish I had gotten a picture of that. I did get some great pictures of the floats at about 2A.M., plus 3 of the Pasadena City College cheer leaders posed for me- ah, life is tough!)

The wildest things I got involved with were when I personally called in the IHOP (House of Pancakes) float fire. I also was involved with advising seven Tournament of Roses officials of what happened when one float took the corner of Orange Grove & Colorado Blvd. too sharp and DESTROYED a concrete support for an overhead traffic signal. By the way, this particular float happened to have a LIVE BENGAL TIGER riding on the front of it. Of course he was on a leash. Two radio units ("Tiger 1" and "Tiger 2") had complete radio priority over all other units. I wonder why?!

We also had your typical medical emergencies, lost children, float break downs (and even fires!).

When I got off duty at 1500 hrs. (short shift-1800 hrs. Dec. 31 to 1500 hrs. Jan. 1), I even encounered a trash fire. I must have "played" fireman four times while working the parade. I'm definitely working foot beat next year-great action!

By the way, here are some great frequencies to check out.

AMATEUR RADIO COMMAND CHANNELS

147.27 MHz. (R) "Station One"
145.30 MHz. (R) "Station One") - Simulcast

Note that these two frequencies were being simulcast. 147.27 MHz. was used for communications on the west end of Pasadena, while 145.30 MHz. was used on the east side of town. Both repeaters (which are L.A. Sheriff R.A.C.E.S. machines) were deactivated at their primary mountain sites and re-established with low coverage (to prevent interference, jamming, etc.) at both ends of the parade site.

SECONDARY OPERATIONS AND SUPPORT CHANNELS

145.54 MHz. (S) Secondary and back up. Also used at post parade float display area and pre-parade float convoys.

145.18 MHz. (R) A.T.V. (Amateur T.V.) intercom frequency with command trailer and remote cameras.

224.44 MHz. (R) Tournament of Roses Executive Officials

All of the above frequencies were monitored and co-ordinated by "Station One" (Amateur radio command post). "Trailer Two" was the unit number for the police liason command post. Many Tournament of Roses official cars, parade intersections, float construction sites and convoys were all staffed by radio amateurs using the above frequencies for parade operations. Great listening! (I can hardly wait for next year!)

P.S. One additional frequency to add to your list for next year's parade: 168.100 MHz. American Red Cross (using U.S. Forest Service radios). (Emergency first aid)

From JOHN (CA-OR-235):

Effective 1/1/83, Costa Mesa FD (Station 84-46.44 MHz.) has a second paramedic unit, known as MESA MEDIC 3, in hopes of eliminating the need for Newport Beach (Station 83-46.44 MHz.) to respond one of their paramedic units into Costa Mesa. The new paramedic unit (Unit # 8423) operates out of Station # 3, on Park Ave. Santa Ana F.D. (Station 81-46.34MHz.) no longer assists Costa Mesa F.D. due to financial reasons. MESA MEDIC # 1 still operates a 2 man medic van out of Station # 1 on Royal Palm.

Re Newport Beach F.D.: Orange County Engine # 27 is Newport Beach's first in engine for the north city area. (Operates and is dispatched on 46.44 MHz. eventhough Orange County F.D. operates on 46.14 MHz.) This will change when Newport's new Station # 7 is built to handle north city calls. (Editor's note: A Newport Beach F.D. fireman told me that a new station (Station # 9) will be built on Pacific Coast Highway to handle new residential construction. (Within next 3 to 5 years-to be located on southern most coastal boundary. What about Station # 8? Perhaps north coastal on P.C.H.? Members, any info?)

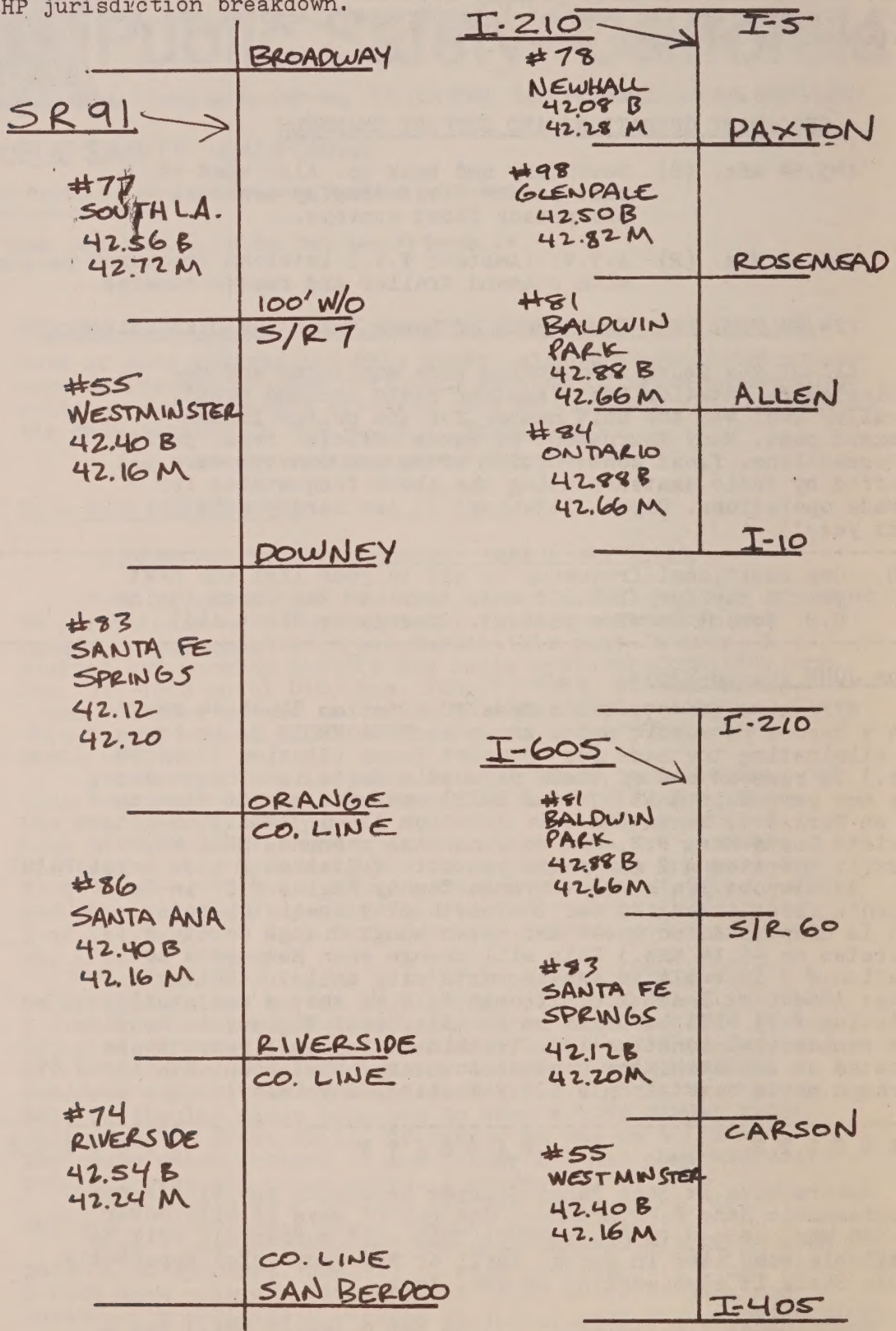
T I D B I T S T I D B I T S T I D B I T S

Rumors have it that Fanon-Courier is coming out with a new programmable hand held scanner. One report says it will cover 25-520 MHz. AM and FM CONTIUNOUS! This unit supposedly will be available some time in March, April or May. Any info? Apparently, Radio Shack is also working on one, too.

Westminster F.D. (Station 87) on Net 6 (46.28 MHz.) has a new Station # 1 (Headquarters) on Westminster Street.

RALPH (CA-LA-504) would like to know the frequency for Westec Security in Los Angeles (primarily Hancock Park & Wilshire areas). Anyone knowing this freq., please send to PS CALIF. Thanks.

Prepared by RCMA Public Safety California Staff Members:
CHP jurisdiction breakdown.



From our Central California Bureau Office (prepared by GERRY CA-SL-005)

SAN LUIS OBISPO COUNTY

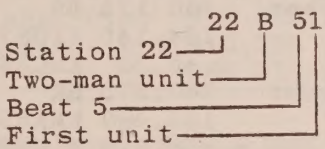
LAW ENFORCEMENT STATION AND UNIT DESIGNATION SYSTEMS

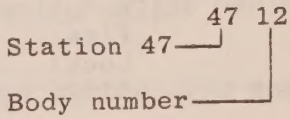
STATIONS

3 CHP Buellton
9 CHP Paso Robles
14 CHP Santa Maria
20 SLO SO Control 20
21 SLO SO Coast Station
22 SLO SO North Station
23 SLO SO South Station
24 SLO SO Headquarters Station
25 SLO SO Civil
26 SLO Courthouse Jail
27 SLO SO County Jail
28 CHP San Luis Obispo
30 Santa Barbara SO Control 30
41 Paso Robles PD
42 San Luis Obispo PD
43 Morro Bay PD
44 Pismo Beach PD
45 Grover City PD
46 Arroyo Grande PD
47 Cal Poly University Police
48 Atascadero PD
50's Santa Barbara Co. PD's
61 DA, San Luis Obispo Co.
6310 Crisis Intervention
6320's Airport Police

SHERIFF AND POLICE UNIT DESIGNATION CODES

A One-man unit
B Two-man unit
C Captain
D Detective
E Prisoner Transportation
F Foot Patrol
G Coroner
H Crime Prevention
J Juvenile
K Crime lab / ID
L Lieutenant
M Motorcycle
N Narcotics
P Parking (PD) or Crime Task Force (SO)
R Reserve
S Sergeant
T Traffic
V Vice / Intelligence
X Extra unit
Z Special enforcement





SHERIFF BEATS

1 S. Cayucos to San Luis Bay Dr. to Edna to Cuesta Summit
2 S. Cayucos and north to county line
3 Nacimiento Lake area
4 San Miguel to Templeton to Cholame
5 Atascadero to Cuesta Summit to California Valley
6 Oceano to Avila Beach to Edna to Lopez Lake
7 Oceano and south to county line

CHP BEATS

28 SAN LUIS OBISPO OFFICE
* 10 SR1, South Co line to Callendar
11 SR1, Callendar to Grover City
* 13 SR1, SLO to Villa Creek (Cayucos)
15 SR1, Villa Creek (Cay) to Harmony
* 20 US101, S Co line to Grand Ave(AG)
* 22 US101, Grand Ave to Avila Rd
23 US101, Avila Rd to Los Osos Val R
* 24 US101, Los Osos Val Rd to Res Cyn
25 US101, Reservoir Cyn Rd to SR58
30 SR166
32 SR227, Arroyo Grande to Price Cyn
35 SR227, Price Cyn Rd to SLO
201 Lopez Lake Road
203 Avila Road
204 See Canyon & Prefumo Canyon Rd
*205 Los Osos Valley Rd & Pecho Rd

9 PASO ROBLES (TEMPLETON) OFFICE
* 1 US101, SR58 to Vineyard Dr (Tmpl)
* 2 US101, Vineyard DR to SR46E (Paso)
* 4 US101, SR46E (Paso) to N Co line
5 SR58
6 SR229
7 SR41, US101(Atasc) to SR46(Shndn)
* 8 SR46, US101 to McMillan Cyn(Shndn)
9 SR46, McMillan Cyn Rd to Co line
10 SR41, SR46(Cholame Wye) to Co line
11 SR46, SR1 (Harmony) to US101(Paso)
12 Nacimiento Lake Road
13 SR1, North Co line to San Simeon
*14 SR1, San Simeon to Harmony

* Beats normally assigned

SAN LUIS OBISPO COUNTY

SHERIFF	Dispatch	Blue	460.150 4RP	50M	
	Emergency	Red	460.050 4RP	145M	All Depts
	Secondary	Yellow	460.475 4RP	145M	All Depts
	Car-to-Car	White	460.025	145M	All Mobiles
		CLERS 6	458.675 WCW536-CO		(input to 453.675)

Public Safety - California continued

FIRE	County Fire	Co Fire	154.385	KVR939	182M	All Depts
	Mutual Aide	White	154.280	KVR939	182M	All Depts
	CDF	Local	151.325	5RP		CDF & County Fire units
LOCAL GOVT			158.805	4RP	125M	(input 154.040)
	Animal Control		453.200	BR	50M	also Disaster Control
LOPEZ LAKE Rangers			151.145	BR		(input 151.475)
MEDCOM	North Coast	Med 1	463.000	BR	KXZ653	
	Morro Bay-SLO	Med 2	463.025	BR	KXZ654	
	South County	Med 3	463.050	BR	KXZ652	
	North County	Med 4	463.075	BR	WYW965	
SPECIAL			155.160	WYK595	12M	

ATASCADERO Police		Green	460.425	BR	10M	Station 48
	Fire		154.370	6B	20M	
	Local		453.375	B MR	10M	
ARROYO GRANDE Police		Green	460.175	BR	10M	Station 46
	Fire		154.010	KNAY847	22M	
	Local		45.52	KDJ614	20M	
AVILA BEACH FIRE DISTRICT			158.940	KFG459	7M	
CAMBRIA COMM SVC DIST Fire			154.115	WSL631	15M	
CAYUCOS FPD Fire			154.145	KIB992	4M	
GROVER CITY Police		Green	460.175	BR	10M	Station 45
	Fire		158.940			
MORRO BAY Police		Green	460.100	BR	10M	Station 43
	Fire		154.130	KML271	20M	Station 25
	Local & Harbor Patrol		154.085	KFN574	17M	
OCEANO	Fire		158.940			
PASO ROBLES Police		Green	460.125	BR	10M	Station 41
	Fire & Local		155.940	KNAD912	45M	
PISMO BEACH Police		Green	460.175	BR	10M	Station 44
	Fire		154.145	KIU671	10M	
	Local		45.58	KMC247	5M	
SAN LUIS OBISPO Police		Green	460.375	BR	25M	Station 42
			155.490	KMA529	20M	
		CLERS 6	458.675	WCP939-CO		(input to 453.675)
	Fire Dispatch	Fire 4	155.145	BR	(52M	input 154.205)
	Page/Tac	Fire 1	154.310	4B	52M	
	County	Fire 2	154.385	4B	52M	
	White	Fire 3	154.280	4IO	52M	
	OES-1	Fire 5	33.98	CO	1M	(input to 154.160)
	Med 2	Fire 6	468.025	CO	2M	(input to 463.025)
	Local		155.025	2B	40M	
SOUTH BAY FIRE DIST Los Osos			154.130	2B	10M	

From GERRY (CA-SL-005):

SAN LUIS OBISPO COUNTY

STATE OF CALIFORNIA					
CHP	9 Paso Robles	White	42.56	B	"San Luis"
	28 San Luis Obispo		42.72	M	
	14 Santa Maria				
	3 Buellton				
CDF	5300	Local	151.325 RP	(159.315)	"San Luis"
	Region 5	Region	151.445 RP	(159.345)	
	Statewide	State	151.355 RP	(159.300)	
	Air net	Blue	151.280		
	Aircraft air-air		122.900		
	Air Tanker Base		122.925		
ATASCADERO STATE HOSPITAL			153.755	KQS539	
CAL POLY UNIVERSITY Police		Gold	460.250	KMG999	
	Fire		154.205	KAF957	
	Audiovisual & Paging		151.715	KVW535	
	Plant Operations		463.250	KVW535	
CAL-TRANS District 5			47.18		
	Const. Units - Low Power		47.08		
CORRECTIONS - CA Men's Colony (CMC)			39.10	KBG526	
			155.475	KBG526	
			155.505	KBG526	

	Fire		154.235 KJM402
DOJ - Dept of Justice			154.680 B BR M (155.460)
FISH & GAME Region 3			151.415 B BR M (159.435)
			151.430 M
NATIONAL GUARD	Camp Roberts-Fire		165.162
OES-Emergency Services		CLERS 6	453.675 RP (458.675)
	Fire	OES-1	154.160 RP (33.98)
	Local Govt		153.755 RP (154.980)
PARKS & BEACHES		Ch 1 & 2	44.64 RP M (44.96)
	Statewide	Ch 3	44.80 B M
	Aquatic areas	Ch 4	44.88 B M
YOUTH AUTHORITY	El Paso de Robles		154.980 KYJ221

FEDERAL			
ARMY	Medic Air Assist (MAST)		36.50
COAST GUARD	Call/Emerg	Ch 16	156.800
	Operations	Ch 22	157.100
USFS - LOS PADRES NATIONAL FOREST			
	Forest net	Ch 1	170.550 B M HH
		Ch 2	170.550 RP (169.900) HH
	Tactical	Ch 3	170.475 M HH
	Air/ Ground Common		170.000 M HH
	Region 5 Firefighting		168.200 M HH
	Service Net		171.550 RP (172.325)
	Air Dispatch		168.625 B M
	Aircraft - Emerg Air Tac		118.950 M
	Emerg Air Tac		122.850 M
	Emerg Air Tac		122.900 M
	Heliport Air Traffic Ctl		119.975 B M
	Santa Lucia Ranger Dist		415.425 FXR Tassajara Peak
	Monterey/Santa Lucia R D		415.325 FXR Calandra Peak
	Air Tactics 1		166.675 M

Gerry CASL-005 N6BRR 6/82

From HUGH (CA-LA-472) (RCMA Photo Editor):

SCE Edison Co. Radio System: F1: "System" 158.13
F2: "La Cienega" 158.19 F3: "La Presa" ? (Any one know this?)

Los Angeles City Fire: 33.94 MHz. is now called "Channel 9", NOT "Channel 10" as listed in Police Call. Channel 9 will continue to be used as a second Metro and West Dispatch channel.

During floods, listen to 146.82 MHz. (Amateur radio emergency traffic handling repeater). Also listen to 151.16 R - Orange Co Flood Con.

From unknown source member (sorry): General Telephone Road Crews 451.400 MHz. South Bay. 451.450 MHz. Dayton/Gypsum areas.

****

From FRED (NM-005):

Bureau of Land Management (BLM)-Bishop Resource Area Office
Radio Frequency: 166.4875 MHz. (R)

1220 - Fire Management Officer (FMO)
1221 - Asst. FMO
1226 - Helitack Foreman

Bridgeport
Engine 142
Patrol 155
Copter 480

Bishop (KMC416)
Patrol 151

California Department of Forestry
Owens Valley Ranger Unit

6720 - Ranger in Charge
6721 - Asst. Ranger in Charge
6735 - Engine
6736 - Engine

Frequency: 151.355 (INYO)

6736 - Transport
6737 - Service Unit
6738 - Dozer

"I'm researching an article I will submit in the next 4-6 mos. It will deal with the Mammoth (Long Valley) volcanic alert. Mono County and O.E.S. are heavily involved in making plans for the possible (and in the opinion of many PROBABLE) volcanic eruption. It is serious enough that our Ranger District is going to purchase dust (ash) masks and special air filters for vehicles. The plans being made are quite lengthy and comprehensive and a lot of details aren't settled as yet

as the CDF info in the RCMA August 1982 issue did no show the Owens Ranger Unit which operates a conservation camp (inmates, probably 4 crews) and a couple of engines. As previously reported, they are dispatched by INYO. They operate on STATE NET (151.355 R) and have repeaters on Conway Summit, Silver Peak and Mazourka Peak (Inyo Mtns.) CDF-R6 can key Silver Peak to communicate with the Owens Valley units (and seems to do so only when So. California has big fires and needs the Owens Valley crews."

From ERIC (CA-LA-045):

MONITORING THE LONG BEACH GRAN PRIX

460.450	R	Long Beach PD - Ch 4	Traffic Control, etch
460.025	R	" " "	Unknown use; Orange Co. RED (Emerg)
460.125	R	" " " Ch 1	Downtown and West side-normal dispatch
453.55	R	Long Beach Fire	Repeats main channel: 153.95 MHz.
154.28		" " " Ch 2	Tactical & Mutual aid (secondary ch)
151.625		Race Sponsor	Admission, crowd control, credentials
154.60	M	Possibly S.C.C.A.	Fire & Crash info
154.57	M	" " " "	" Used at Ontario Speedway
154.54	M	" " " "	" Used at Riverside "

Also try a mixture of the following for racing teams, etc.:

464.500, 464.525, 464.550. 173.225, 173.275, 173.325, 173.375 MHz.

Don't forget to monitor the 450 MHz. news media channels, the BLIMP on 123.025 and 132.00 MHz. AM. Bowers Ambulance: 47.62 & 463.125 MHZ

See you all next month - Happy Monitoring!

Support Your Local FIREMEN & other Emergency Services

Join the FIRE BUFFS

What is a Fire Buff, you ask? It is anyone who has an interest in the welfare of their local fire services!

A Fire Buff could be interested in the science of fire fighting, the development of new fire fighting equipment and procedures, promotion of fire prevention and public information, or education for fire safety in our everyday lives. These are just a few of the many areas that a Fire Buff's individual interest could lead.

Monthly meeting is now held at Riverside City Fire Station #3, 6395 Riverside Ave, Thomas Bros map page 13 B-3
2nd Thursday of each month, 7:30 PM.

March 10
April ~~XX~~ 14
May 12
June 16
July 14

CODE 20 RADIO DIRECTORY™

N.E. U.S. EDITION NEWLY REVISED!

- State/County Public Safety 2–Way Radio Systems
- Intersystem & Tactical State–Wide Networks
- National Disaster/Distress Frequencies
- State & National 10–Codes
- Radio Band Frequency List
- Monitoring & The Law
- Channel #s/System Uses
- State Troopers/Highway Patrol
- Civil Defense/Search & Rescue
- County Sheriffs/Fish & Game
- Turnpike Authorities
- Department of Motor Vehicles
- Forest Rangers/ Indian Affairs
- Correctional Institutions
- Radar Communications
- CB Calls for State Patrols

By Nathan Young

RCMA #FL–021

PAID ADVERTISEMENT

AVAILABLE IMMEDIATELY:
NORTHEAST U.S. EDITION (CT, DE, MA, MD, ME, NH, NJ, NY, PA, RI, AND VT)
NORTHEASTERN GULF COAST (S AL, S MS, S LA, NW FL)
CALIFORNIA WITH CHP MAP
AR, FL, GA, MO, OK, TX

8-10 WEEK DELAY:
AL, KS, LA, MS, TN

(No single state directories sold if state is already included in area group publication)

EXCLUSIVE "CODED" Frequency Lists

PERSONALLY RESEARCHED AND CODED FREQUENCY LISTS FOR MONITORS OF STATE AND COUNTY PUBLIC SAFETY RADIO, INCLUDING SPECIAL CODE CHART. THESE LISTS ARE NOT FCC PRINT-OUTS. THIS NEW PUBLICATION PRESENTS CURRENT, DETAILED INFORMATION IN A UNIQUE FORMAT. ALL 50 STATES WILL BE COVERED IN FOUR VOLUMES. NORTHEAST U.S. EDITION READY NOW. UNTIL ALL FOUR VOLUMES COMPLETED, STATES WILL BE SOLD AS LISTED BELOW. INFORMATION CONSTANTLY BEING UP-DATED AND PROCESSED. ORDER NOW.

PRICING:
*NORTHEAST U.S. EDITION (11 STATES)--$14.95
*NORTHEASTERN GULF COAST AREA--------$ 7.50
*CALIFORNIA WITH SPECIAL CHP MAP-----$ 7.50
*AR, FL, GA, MO, OK, TX (ANY ONE)-----$ 6.95
**AL, KS, LA, MS, TN (ANY ONE)---------$ 6.95
(FLORIDA RESIDENTS, PLEASE ADD 5% STATE SALES TAX.)

(*AVAILABLE IMMEDIATELY)
(**EXPECT 8-10 WEEK DELAY)

TO ORDER: SEND CHECK OR MONEY ORDER WITH REQUEST TO:
CODE 20 RADIO DIRECTORY
POST OFFICE BOX 4033
WARRINGTON, FL 32507

DEALER INQUIRIES ARE INVITED

Railroads

Gary L. Sturm and
Bill Farmer, Editors

Send information about railroad frequencies and their uses, railroad radio system details, and related questions to:
Gary L. Sturm, 48781 Denton Rd., Apt. 7, Belleville, MI 48111.

Greetings for April...First off this month we'd like to call your attention to Gary's new address—it's now apartment #7 instead of #37. We're running out of material and would like to receive more reader input. How about it?

KAISER STEEL'S EAGLE MOUNTAIN RAILROAD

In the desert of southern California, about 25 miles east of Indio, is an interesting industrial railroad running from an iron ore mine at Eagle Mountain to a connection with the Southern Pacific main line at a siding called Ferrum. 52 miles long, it is known as the Eagle Mountain Railroad, owned by Kaiser Steel Corporation. Its purpose is to haul iron ore from the mine to Ferrum, where the SP picks it up and transports it to Kaiser's steel mill in Fontana, Calif. Motive power on the Eagle Mountain consists of five General Electric U30C locomotives, built new for the railroad in 1968. They are painted red with white and black lettering.

Due to economic factors, Kaiser Steel officials have decided to phase out the raw steelmaking portion of the Fontana mill's activities during 1983. The mine and pellet plant at Eagle Mountain have already been closed and the railroad was temporarily shut down during the latter part of 1982. It resumed operation on January 3, but the only task remaining is to haul out the stockpiles of ore and taconite pellets which remain at Eagle Mountain.

The railroad's operations have been modified somewhat for 1983. Helper locomotives and cabooses have been eliminated, and shorter trains are now operated with only a two-man crew. Each day, Monday through Friday, the crew goes on duty at Eagle Mountain at 9:00 a.m. The train leaves the mine area about 9:40 taking 40 loads of coarse and fine ore to Ferrum. Empties are moved back to Eagle Mountain on alternate days only, in trains of 100 cars. On days when empties are not handled, the engines return light to the mine. The train crew reports its location to the track gang by radio so that track workers can be in the clear for the train to pass. A UHF repeater located on Black Butte (4500' high) in the Chuckwalla Mountains provides good coverage of the entire railroad. Repeater output is on 451.900 MHz with mobiles on 456.900.

The train crew estimates that it will take about a year to haul out the stockpiles of ore and pellets using 40-car trains. If 100-car loaded trains are resumed, the job could be completed in about 6 months. Once the ore is gone, it is expected that the railroad will be abandoned.

COMPREHENSIVE NEW FREQUENCY LIST

Available now! The latest edition of the "Compendium of American Railroad Radio Frequencies". Compiled by Gary L. Sturm and Mark J. Landgraf and computer-typeset by Bill Farmer. Includes listings for over 460 U.S., Canadian and Mexican Railroads, Industrials, Tourist and Museum operations, and Rail Transit Systems. No other frequency guide as complete. Over 140 frequency listings for the Santa Fe RR alone! For your copy mail a check for $8.00 (first class postage included) to:

Mark J. Landgraf
22-4 Woodlake Road
Albany, NY 12203

So long until next month. —Gary & Bill

This column is for the exchange of space communications systems (manned or unmanned), frequency information, orbital data, hobby receiving equipment and antennas. Questions and column input pertaining to Space Communications Monitoring should be sent to:

Larry Van Horn (TN-014), 1111 N. Carrier Pkwy., B-107, Grand Prairie, Texas 75050.

Greetings to all and welcome to April Space Comm. This month I am adding a new feature to Space Comm called Space Activity. Each month I'll present the latest Space launches and information on these to better cover the ever expanding Space scene. One note to all, the RCMA currently has all columns cut back, so alot of material that has been sent in is on hold due to the lengths of the material envolved. I am sorry for the inconvience, but the material on hand will be presented as soon as space constraints permit.

Space Activity

Space Activity section of this column will feature all new launches, orbital parameters, mission, if known, International/NORAD Designators, and any frequency information as of publication time. I hope this information will be useful to all in your monitoring efforts, If at any time you need additional information on any of the satellites listed, feel free to contact me and I'll see what I can work up. Now on with Space Activities for April 1983.

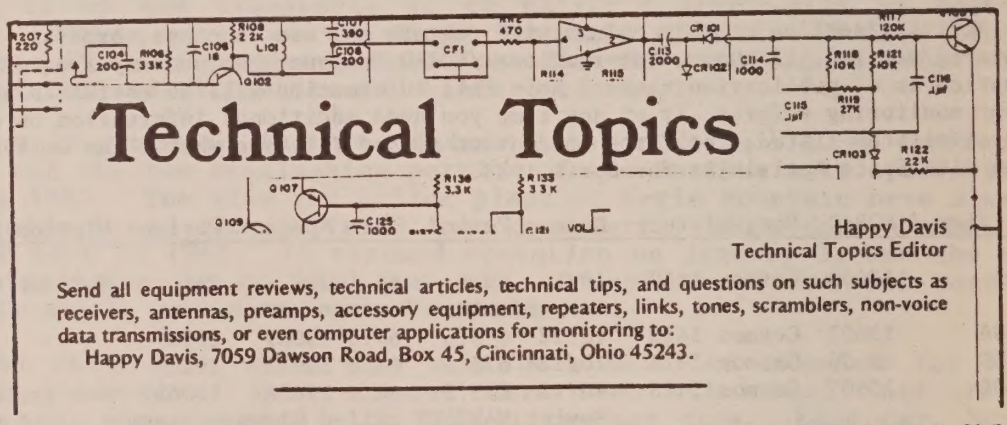
Identifier /	NORAD	Nomenclature	Date	Period	Inc	Apogee	Perigee	Mission/Freq.
82-99A	13600	Cosmos 1412	10/1	89.6	65	262	248	Nuclear Ocean Surveillance. No xmsn noted.
82-100A	13603	Cosmos 1413	10/12	673.5	64.8	19069	19067	
82-100D	13606	Cosmoa 1414	10/12	673.5	64.8	19078	19069	
82-100E	13607	Cosmos 1415	10/12	673.5	64.8	19078	19069	New series of Soviet NAVSATS called Glonass. xmsn:1.2/1.6 Ghz.
82-101A	13611	Cosmos 1416	10/14	89.5	70.4	272	226	High resolution Photo Recon, xmsn: 19.989 Mhz.
82-102A	13617	Cosmos 1417	10/19	104.7	83	1007	957	Standard NAVSAT, xmsn: 150 Mhz.
82-103A	13624	Horizont	10/20	1436.0	0.2	35823	35746	Intl TV Relay Orbital slot @ 270 degrees,xmsn: 3.4-3.9 Ghz.
82-104A	13627	Cosmos 1418	10/21	92.4	50.7	410	368	Scientific/ Minor military,xmsn: none reported
82-105A	13631	RCA SATCOM 5	10/27	1450.6	0.2	36146	35994	ALASCOM Relay orbital slot @ 140 degrees,xmsn: 3.7-4.2 Ghz.
82-106A	13636	DSCS-2	10/30	1437.8	2.5	35866	35773	DOD COMSAT This satellite orbital spare,xmsn: 7.9-8.4 Ghz.
82-106B	13637	DSCS 3	10/30	1440.0	2.5	35878	35846	DOD COMSAT 7/8 Ghz/ UHF satellite, orbital slot @ 135 Degrees
82-107A	13638	Progress 16	10/31	91.0	51.6	358	290	Salyut 7 tanker supply vehicle, xmsn: None reported.
82-108A	13641	Cosmos 1419	11/2	89.9	70.3	336	231	Photo Recon Object decayed 11/16/82, xmsn: None reported
82-109A	13648	Cosmos 1420	11/11	100.7	73.9	806	780	Unknown mission
82-110A	13650	STS-5	11/11	99.4	28.4	314	301	See Comm Profile RCMA Oct. 1982
82-110B	13651	SBS-3	11/11	1436.0	0.2	35880	35880	See Space Comm RCMA Oct. 1982
82-220C	13652	ANIK-C	11/12	1436.0	0.2	35880	35880	See Space Comm RCMA Oct. 1982
82-111A	13659	KH-11	11/17	92.2	96.9	533	240	USAF Photo Recon satellite, xmsn: None reported
82-112A	13661	Cosmos 1421	11/18	89.2	70.3	284	215	Photo Recon Object decayed, xmsn: none reported
82-113A	13669	Raduga 11	11/27	1435.0	1.2	37265	35678	TV relay,Orbital slot @ 325 Degrees, xmsn: 3.6-3.9/7.2-7.8 Ghz.
82-114A	13677	Cosmos 1422	12/3	89.4	72.8	313	208	Photo Recon

Space Communications continued

82-115A	13685	Cosmos 1423	12/8	93.2	62.8	512	353	Believe this is a failed Early Warning satellite.
82-116A	13718	Meteor 2-9	12/15	102.0	81.2	903	839	2nd Generation, Soviet Weather Satellite, xmsn: 137.3 or 137.850 Mhz.
82-117A	13725	Cosmos 1424	12/16	89.7	64.9	370	179	Long Duration Photo Recon.
82-118A	13736	Operations 9845	12/20	101.3	98.7	842	822	DOD Block 5D-2 weather satellite, S-Band downlink.
82-119A	13739	Cosmos 1425	12/23	90.3	69.9	377	230	Photo Recon
82-120A	13745	Cosmos 1426	12/28	90.2	50.6	401	205	Unknown mission
82-121A	13750	Cosmos 1427	12/29	94.0	65.8	497	451	Minor Military

Note: All periods are in minutes/ all inclinations are in degrees/ all apogees, perigees are in kilometers. This conlcudes all the launches for the last quarter of 1982.

Phase IIIB has been delayed again. As soon as a new launch date is set information on this satellite will appear in this column. Alot of material is again on hold for this month. Till next month 73's to all from N5FPW/WDX5FAO.



Technical Topics

Happy Davis
Technical Topics Editor

Send all equipment reviews, technical articles, technical tips, and questions on such subjects as receivers, antennas, preamps, accessory equipment, repeaters, links, tones, scramblers, non-voice data transmissions, or even computer applications for monitoring to:
Happy Davis, 7059 Dawson Road, Box 45, Cincinnati, Ohio 45243.

REVIEWING THE BEARCAT 220 RC
(The Canadian Version of the BC220)

By Happy Davis

While touring Canada in 1980, I soon discovered that the normal American scanner was of no use here so I set out to find what was available for Canada. I discovered that Bearcat and Regency both produce a Canadian version of their scanners. Bearcat's Canadian model is the BC 220 RC. It is available only in Canada. I noticed on the box of the Canadian version I tested, a lable stating it was a Canadian unit.

Upon examining the unit I noticed the physical looks and appearance seemed to be the same as the American version of the BC220, but on the back of the set, there was a Canadian certification which read: Certified Standard (C-22-2-NO1 Radio JO92911). The lable information was both in English and French. All units are certified in accordance with the Canadian D.O.C. (their F.C.C.), Canadian Standards Association, and Underwriters Laboratories.

ALL FUNCTION DIGITAL DISPLAY The key board is the same as the U.S. model with the following keys: **Priority, Speed, Scan, Manual, Delay, Lockout, Limit/Hold & Search, 10 or 20** Channels (2 banks of 10 channels each), and **Aircraft & Marine** (each having an automatic pre-programmed search function). The **Scan/Search** speed is selectable at 5 or 15 channels per second.

TECHNICAL SPECIFICATIONS I connected the unit to a CE-6 Cushman Communication monitor to measure the unit for sensitivity and selectivity. I noticed in the owner's manual the Bearcat's technical specifications and after measuring the unit for RF sensitivity found that they had rated it high. Here is their findings compared to mine:

Bearcat's findings		My findings
0.4 uV	Low Band	0.2 uV (low end)
0.4 uV	High Band	0.2 uV (high end)
0.8 uV	UHF Bands	0.6 uV (high end)
1.0 uV	Aircraft	1.0 uV

The aircraft is measured at 10 DB 60% modulation. All other frequencies are measured at 5 kHz at 12 DB sinad and are in tenths of microvolts. Aircraft sensitivity is 1 microvolt at 10 db.

The selectivity is 55 db @ ± 25 kHz. The audio output was a hefty 2 watts RMS 10% THD (max.) From this, you can see this is a super hot receiver with excellent features. In programming all receiver band ranges, we found excellent sensitivity throughout. For those who are not aware of the Canadian Public Safety Frequencies (police, fire, ambulances, etc.) they start at 138 MHz. and go to 490 MHz. (Example) Ottawa, Ont. police use 142.095/ 138.075, fire 154.37, Royal Canadian Mounted Police 141.500/ 139.350, St. John, New Brunswick police 154.770/ 154.800, Winnepeg police 413.225/ 412.7875, Ontario Provincial Police 166.680.

IN SUMMARY The BC 220 RC is a scanner that is engineered to be professionally versatile. It

has immense capabilities and state of the art micro processor circuitry to respond virtually to anyone's needs. To those who are not skilled technicians, the radio's functions are easily programmed. All in all, the BC220 RC is a welcome addition to the evergrowing Canadian scanner market. ■

DIFFERENCES IN FREQUENCY COVERAGE

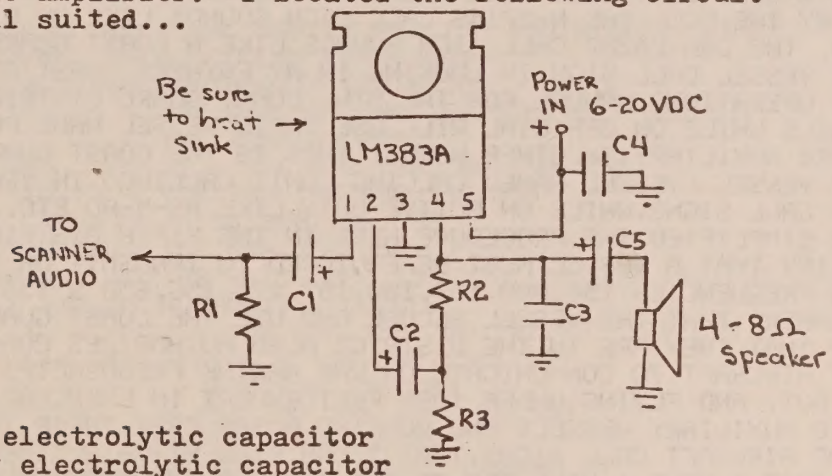
USA BC 220		Canadian BC 220 RC
32-50 MHz	Low Band	32-50 MHz
118-136 MHz	Aircraft	118-136 MHz
144-148 MHz	Amateur	144-148 MHz
148-174 MHz	High Band	138-170 MHz
421-470 MHz	UHF Band	406-470 MHz
470.125-512.0125 MHz	UHF T Band	470.125-490 MHz

A LOW COST SCANNER AMPLIFIER

by Craig Thompson CA-VE-011

Most scanners currently being manufactured have adequate volume for low noise level requirements. The Bearcat 300 runs about 250 mw, the 210XL 200 mw, and the 100 handheld 100 mw. This is enough power for indoor use with little background noise. However, in a car with with a window rolled down or any other noisy environment you can forget it. Even with a good communications type speaker (such as the Motorola TSN6000A), volume is inadequate.

With this in mind, I decided to build a high power/low cost audio amplifier. I located the following circuit to be well suited...



C1 10 uF electrolytic capacitor
C2 470 uF electrolytic capacitor
C3, C4 0.2 uF film or mylar capacitors, locate these as close to the leads of the LM383A as possible for stability. You may use 0.22 uF if you can't find 0.2s.
C5 1000-3000 uF electrolytic, not a critcal value. Ideally, with a 4 ohm speaker use 2000 uF, 8 ohm use 1000 uF. This is a great time to go through your junk box!
R1 10 to 300 ohm resistor, again not critical. I used a 51 ohm, a friend uses a 22 ohm, no big deal. All it does is allow a little DC to pass so that there is no lag time for the amp to come up to full volume. You can try deleting this all together, but expect a 300 ms delay.
R2 220 ohm
R3 2.2 ohm (all resistors are ¼ watts)
LM383A Integrated circuit amplifier available from Radio Shack for $3.19.

This circuit is simple enough for anyone to build, and the total cost investment is about $7.00. And talk about power! This circuit puts out 7 watts (thats 7000 mw!), enough to hear my Bearcat 100 even in my Land Cruiser!

To the readers of this column -

The above material is the first of several articles received from Editor Happy Davis. Happy's health has greatly improved and he would like to thank the RCMA members who sent him cards and get-well wishes during his illness.

- Editor

VHF Marine

Send information, articles, frequencies and their use, and questions that relate to private, commercial, and Coast Guard VHF maritime and inland waterways radio communications to:

Emmett L. Baxter, Jr., 424 W. 22nd St., Norfolk, VA 23517

HELLO AND WELCOME TO THE APRIL VHF MARINE COLUMN. SPRING IS JUST AROUND THE CORNER AND VHF LISTENING SHOULD BE PICKING UP.

OUR FIRST REPORT COMES FROM THE PHILADELPHIA AREA (LOU-PA-024). HIS REPORT DEALS WITH THE UPPER CHESAPEAKE BAY AND UPPER DELEWARE BAY AREA.

157.300	WB-6330	THOMAS POINT LIGHT STATION,MD.
157.100	CGA-28287	RHODES RIVER,MD. *
156.800	WYQ-6216	RHODES RIVER,MD.
156.800	N2714S	BREWTON CHANNEL,MD. **
156.800	CGA-28287	RHODES RIVER,MD. *
156.800	WS-3441	CHESAPEAKE BAY,MD.

* TRAFFIC PERTAINING TO A COAST GUARD AUXILIARY VESSEL
** TRAFFIC PERTAINING TO A COAST GUARD AUXILIARY AIRCRAFT
++++ ED. NOTE - A SPECIAL NOTE ABOUT ALL OF THE ABOVE CALL SIGNS.THE WB-6330,WYQ-6216 & WS-3441 CALL SIGNS ARE VESSEL CALL SIGNS AS ASSIGNED BY THE FCC. THE N-2714S CALL SIGN SOUNDS LIKE AN AIRCRAFT CALL SIGN. THE CGA-28287 CALL SIGN SOUNDS LIKE A COAST GUARD AUXILIARY VESSEL CALL SIGN.IN LOOKING IN MY FATHERS COAST GUARD AUXILIARY OPERATIONS MANUAL,FOR THE 5TH. COAST GUARD DISTRICT,IT SAYS THAT VESSELS WHILE ON OFFICIAL WILL USE THEIR VESSEL NAME PRECEDED BY COAST GUARD AUXILIARY.IN OTHER WORDS: THIS IS THE COAST GUARD AUXILIARY VESSEL (VESSEL NAME) CALLING (UNIT CALLING).IN YEARS PAST THEY USED CALL SIGNS,WHILE ON ACTIVE DUTY,LIKE NS-5-AD ETC.. BUT NOW THEY HAVE SIMPLIFIED THE PROCEDURE.HERE IN THE FIFTH DISTRICT THEY ALSO SPECIFY THAT A VESSEL MUST BE EQUIPPED TO TRANSMIT ON THE FOLLOWING FREQUENCIES:156.800,157.100,157.175,156.650 & 156.300, AND THEY RECOMMEND THAT THE VESSEL SECURE AND USE THE COAST GUARD GROUPS FREQUENCY THAT THEY ARE IN.THE DISTRICT ALSO AUTHORIZES COAST GUARD AUXILIARY AIRCRAFT TO COMMUNICATE ON VHF MARINE FREQUENCIES WHILE ON OFFICIAL DUTY AND FLYING UNDER 1000 FEET(EXCEPT IN EMERGENCIES),WHEN TALKING TO AUXILIARY VESSELS AND WORKING A SAR CASE.THEIR IS NO MENTION OF AIRCRAFT CALL SIGNS,THAT I CAN FIND AT-THIS TIME,IN THE MATERIAL THAT I HAVE.I WILL TRY TO GET FURTHER INFORMATION ON THE COAST GUARD AUXILIARY AND PASS IT ON IN A FUTURE COLUMN.

LOU ALSO ASKS IF THE FREQUENCY 171.3375 MHZ. IS A REPEATER FOR THE RELAYING OF CHANNEL 16.

171.3375 IS PART OF A NETWORK THAT THE COAST GUARD CALLS A FIXED CIRCUIT.THE ABOVE FREQUENCY IS PART OF A NETWORK BETWEEN GROUP GLOUCESTER AND THE DELEWARE BRIDGE.THE DELEWARE BRIDGE IS LISTED AS A REMOTE CONTROL SITE FOR GROUP GLOUCESTER.THE COAST GUARD LISTS THE FOLLOWING: GLOUCESTER TRANSMITS- 409.000 & RECEIVES ON 171.3375. THE DELEWARE BRIDGE REMOTE SITE TRANSMITS ON 419.125 & 171.3375.THE MAIN USE OF THIS NETWORK IS TO REPEAT CHANNEL 16. IT IS LISTED AS A HIGH LEVEL RECEIVING SITE TO ENSURE SAFE COMMUNICATIONS WITH THE COAST GUARD.

OUR NEXT REPORT COMES FROM THE AREA OF THE "BIG APPLE",NEW YORK CITY,VIA HOBOCKEN,N.J. FROM TOM (NJ-126).

NEW YORK MARINE OPERATOR:

CHANNEL 26	COAST - 161.900	SHIPS -	157.300
CHANNEL 25	COAST - 161.850	SHIPS -	157.250
CHANNEL 84	COAST - 161.825	SHIPS -	157.225

SANDY HOOK,NEW JERSEY MARINE OPERATOR:

CHANNEL 24	COAST - 161.800	SHIPS -	157.200

BALTIMORE,MARYLAND MARINE OPERATOR:

CHANNEL 26	COAST - 161.900	SHIPS -	157.300

UNITED STATES COAST GUARD:
157.100 - CH. 22 - MARINE INFORMATION & SAFETY BROADCASTS. USED BY GROUP NEW YORK,GROUP LONG ISLAND SOUND,GROUP SANDY HOOK,GROUP ROCKAWAY AND OTHER AREA COAST GUARD STATIONS.IT IS ALSO USED AS A WORKING FREQUENCY.

156.600 - CH. 12 - OPERATED BY COAST GUARD GROUP NEW YORK FOR ANCHORAGE INFORMATION,IN THE HARBOR,FOR LARGER VESSELS AND TO NOTIFY THE COAST GUARD ABOUT FUELING OPERATIONS OF THESE SHIPS.
156.900 - CH. 18 - NEW YORK MARITIME ASSOCIATION NOTIFIES HARBOR PILOTS OF THE ARRIVAL OF LARGE VESSELS INTO NEW YORK HARBOR. THIS IS NOT A COAST GUARD OPERATION.
NEW YORK CITY POLICE HARBOR UNIT:
156.850 - CH. 17 - BASE OPERATIONS. 470.837 IS ALSO USED WHEN COORDINATING WITH.OTHER NYPD SERVICES.
NEW YORK CITY FIREBOATS: 154.430 - CITYWIDE USEAGE.
STATEN ISLAND FERRYBOATS: 156.900 - CH. 19.
MORAN TOWING: (TUGBOATS) 156.350 - CH. 7.
MCALLISTER TOWING: (TUGBOATS) 156.500 - CH. 10.
**ED NOTE: MCALLISTER ALSO USES THE SAME FREQUENCY HERE IN NORFOLK FOR THEIR DISPATCHER.
TEXACO OIL CO.,N.J.: (MARINE OPERATIONS) 156.900 CH. 18.
EXXON OIL CO.: (MARINE OPERATIONS) 156.450 CH. 9.
ALSO THE STANDARD MARINE FREQUENCIES ARE USED:
156.800 - CH. 16 - DISTRESS AND CALLING.
156.650 - CH. 13 - NAVIGATION & BRIDGES.
++ED.NOTE:THE COAST GUARD LISTS THE FOLLOWING FOR THE NEW YORK VESSEL TRAFFIC SERVICE.
156.300 CH. 6 - INTER-SHIP SAFETY 156.550 CH. 11 - TRAFFIC CONTROL
156.600 CH. 12 - TRAFFIC CONTROL 156.650 CH. 13 - BRIDGE TO BRIDGE
156.700 CH. 14 - TRAFFIC CONTROL 156.800 CH. 16 - DISTRESS,CALLING & SAFETY

OUR THIRD AND FINAL REPORT FOR THE MONTH COMES FROM ONTARIO,CANADA; FROM DOUGLAS (CAN.-041).
ST. LAWRENCE SEAWAY AUTHORITY:(ONTARIO)
IROQUOIS: VDX-21 - 156.450,156.800,156.550,465.1625(S), 141.735/139.095
ST.CATHERINES: VDX-22 - 156.800,156.700,156.550
BRIGDEN: VDX-61 - 156.700,156.800,156.550
PORT HOPE: VDX-72 - 156.800,156.550
SELKIRK: XJT-30 - 156.800,156.550
PORT COLBORNE: VDX-68 - 156.800,156.550,156.650,141.735/139.095
ST.LAWRENCE SEAWAY AUTHORITY:(QUEBEC)
MELOCHEVILLE: VDX-20 - 156.800,156.700,141.735/139.095
ST.LOUIS-DU-HA HA: VDX-26 - 156.800,156.700
VALLEYFIELD: VDX-27 - 156.800,156.700
ST.LAMBERT: VDX-71 - 156.800,156.700,156.550
CAUGHNAWAGA: VDX-28 - 156.800,156.700
ST.LAWRENCE SEAWAY AUTHORITY: (MISC. CHANNELS)
MAIN MARINE CHANNEL - 156.800 MHZ.
SECONDARY MARINE CHANNEL - 156.700 MHZ.
MAINTENANCE EMPLOYEES FOR AUTHORITY USE - 141.735/139.095
465.1625 (SIMPLEX) - NOT SURE OF USAGE-POSSIBLY USED FOR PAGING
A COUPLE OF THE LISTED LOCATIONS ARE REPEATER SITES.
THE ST.LAWRENCE SEAWAY WILL REOPEN APRIL 1,1983.
++ED.NOTE: ADDITIONAL ST. LAWRENCE SEAWAY FROM US COAST GUARD

156.300 CH.6 - INTERSHIP	156.600 CH.12 - TRAFFIC CONTROL
156.700 CH.14 - TRAFFIC CONTROL	156.800 CH.16 - SAFETY & CALLING
157.100 CH.22 - CG COMMON	156.450 CH.9 - PORT OPERATIONS
156.500 CH.10 - TRAFFIC ADVISORY	156.550 CH.11 - TRAFFIC ADVISORY
156.650 CH.13 - TRAFFIC ADVISORY	

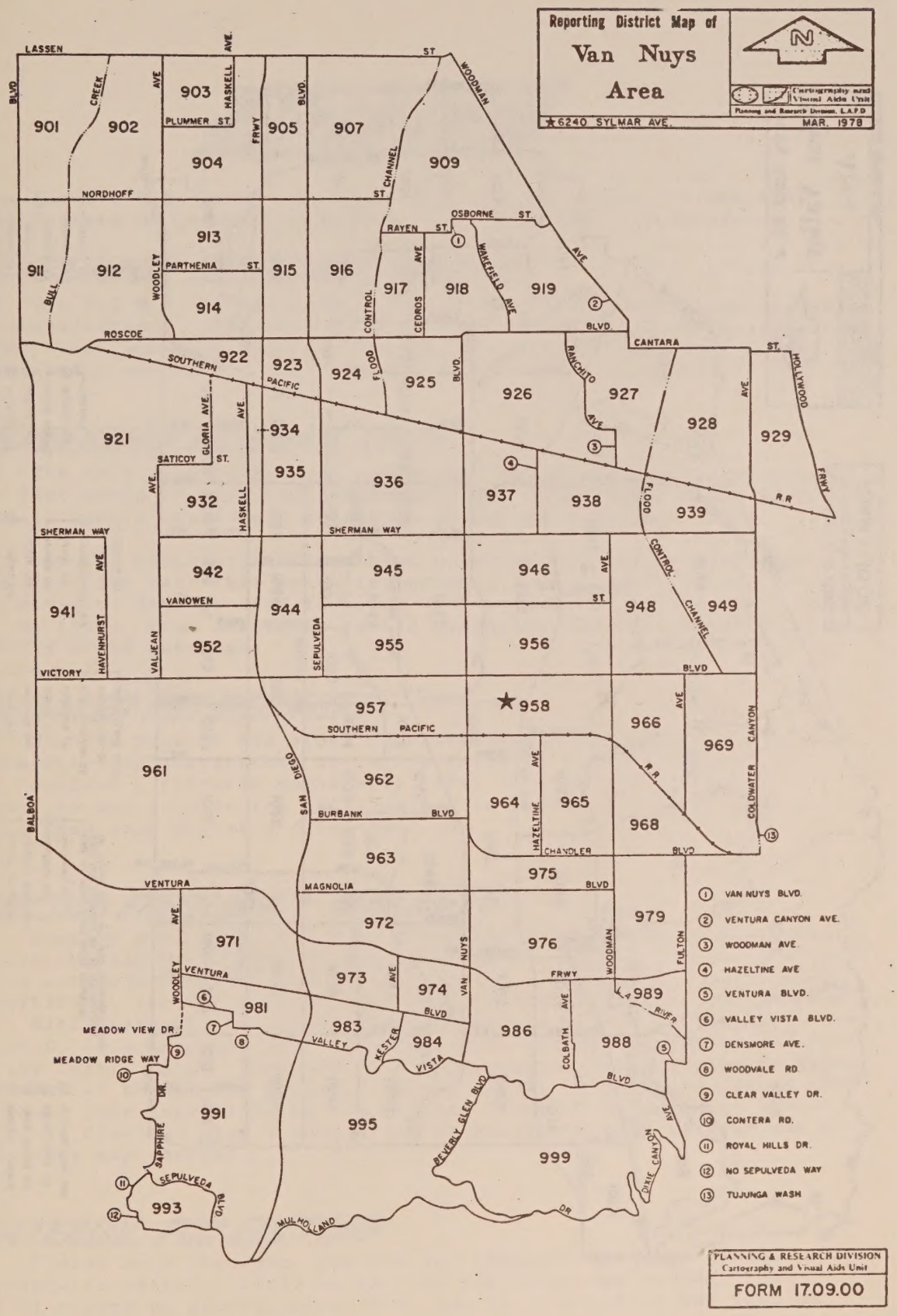
THE COAST GUARD ALSO HAS A PORTABLE SPEED CONTROL RADAR SET UP IN THE AREA OF ALEXANDRIA BAY,FOR CHECKING THE SPEED OF VESSELS USING THE ST.LAWRENCE SEAWAY.

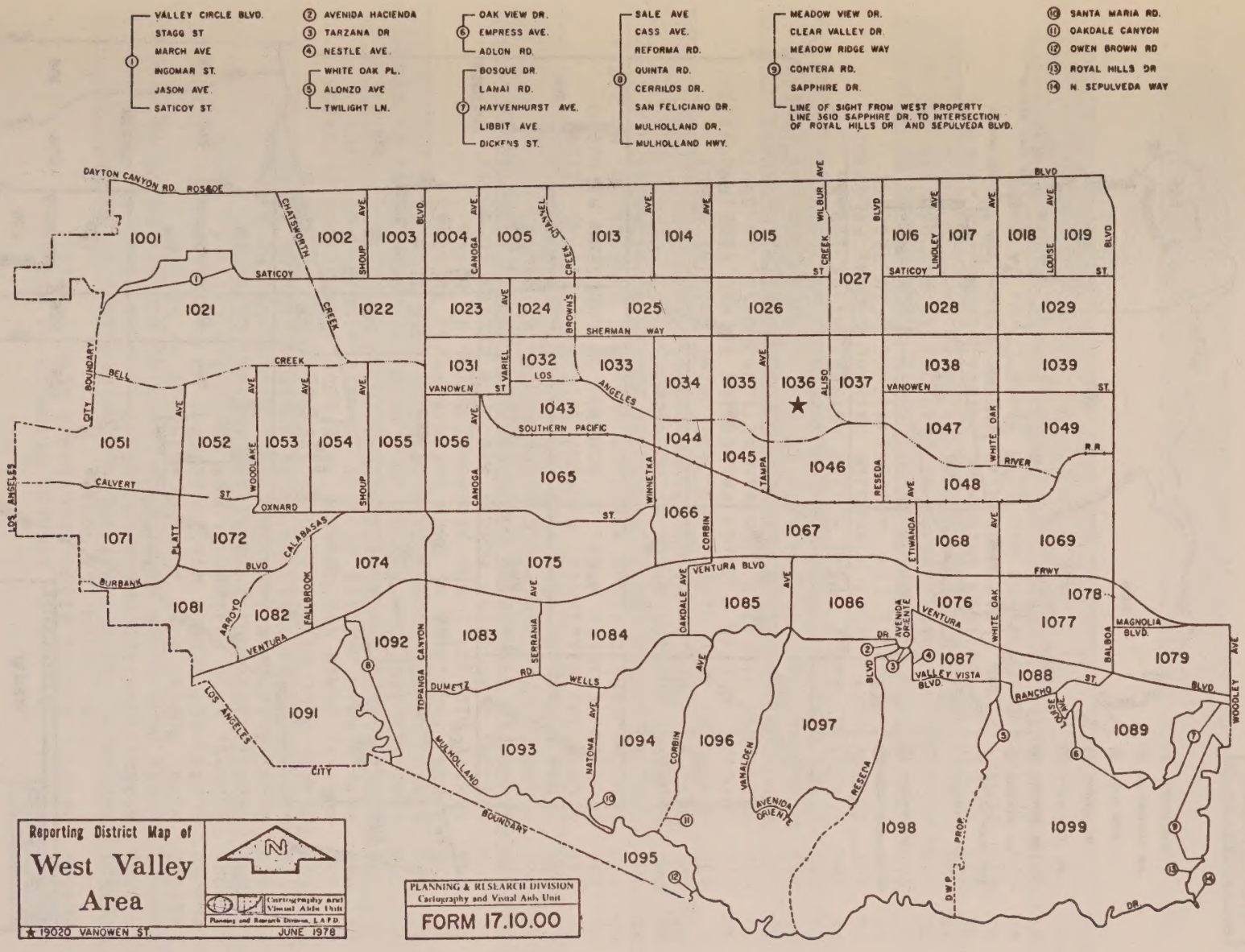
P.S. - FROM CORNELIA(DELEWARE ??)AN UPDATE ON THE DELEWARE BAY AREA. SHE REPORTS THAT THE COAST GUARD HAS BEEN EXPERMENTING WITH SCRAMBLERS BETWEEN CAPE MAY RADIO ANDBALTIMORE RADIO. WHAT NEXT.

WELL THAT TAKES CARE OF THIS MONTHS MAIL AND PLEASE SEND ME INFORMATION. I AM DRY. I NEED INFORMATION TO KEEP THIS COLUMN GOING.
GOT ANY SUGGESTIONS OR COMMENTS (PRO OR CON) ON THIS COLUMN? SEND THEM IN TO ME.
WHAT WOULD YOU LIKE TO SEE IN THIS COLUMN? LET ME HEAR FROM YOU.
HOPEFULLY I WILL RECEIVE LOTS OF INFORMATION IN THE MAIL THIS MONTH.
SEE YOU NEXT MONTH 73,S.

NEW MEMBERSHIP LIST

CACC024 ZIRKELBACH, BOB * ADDRESS WITHHELD BY REQUEST
CALA520 MACHIT, ELLIOT B;436 BELLVLOWER BLVD -301;
LONG BEACH, CA 90814
CALA521 FREEDMAN, DAVID R;937 ANDOVER DR;BURBANK, CA 91504
CALS001 AMANN, JOHN;865 MAIDU LN;SUSANVILLE, CA 96130
CANV002 HART, JOHN R;118 HUNTINGTON CT;GRASS VALLEY, CA 95945
CASB056 WINN, ROBERT H * ADDRESS WITHHELD BY REQUEST
CASD058 SCOTT, SGT GEORGE W;1420 ALTURAS RD -7;FALLBROOK, CA 92028
CASM027 SAUERS, FRED R;216 KILLDEER CT;FOSTER CITY, CA 94404
CASM028 EVANS, JIM;P. O. BOX 451;BURLINGAME, CA 94010
FL 169 DEES, ELEANOR B ;394 SE CORTEZ ST;STUART, FL 33494
FL 170 VENTRIERE, DANTE;17831 NW 81 AVE;HIALEAH, FL 33015
FL 171 CLARK, BILL D;1652 MULDREW AVE;MELBOURN, FL 32935
FL 172 MURPHY, JAMES L;2028 BENT TREE LOOP N;LAKELAND, FL 33803
GA 049 KEY, HERMAN JR;4155 BRISCOE ST NW;COVINGTON, GA 30209
IL 252 EDER, GERALD E* ADDRESS WITHHELD BY REQUEST
IL 253 LANOVICH, KENNETH M;9559 SO ALBANY;EVERGREEN PARK, IL 60642
IL 254 RYBAK, LAURENCE;3020 71ST ST;WOODRIDGE, IL 60517
IL 255 RYBAK, PAUL;3675 N. BETH DRIVE;MORRIS, IL 60450
IL 256 SANTY, DICK;RT 1 BOX 310;HARRISBURG, IL 62946
IL 257 LATTAN, JEAN E;663 FOREST AVE;GLEN ELLYN, IL 60137
IN 076 MEHAFFIE, MICHAEL;RR 6 BOX 189;LOGANSPORT, IN 46949
KY 042 PRINDLE, JACK;180 HAZEL DR;FLORENCE, KY 41042
LA 035 MAUL, ERIC;2304 LITCHWOOD LANE;HARVEY, LA 70058
MA 133 GILMARTIN, WILLIAM;21 HAMMOND ST;CAMBRIDGE, MA 02139
MA 134 DEIORIO, CHARLES W JR;102 ADDISON ST;CHELSEA, MA 02150
MD 076 ENNIS, JERRY D;13504 HARRISON AVE;FORT WASHINGTON, MD 20744
MI 126 BENSON, GREGORY;20509 PINEHARST ;DETROIT, MI 48221
MO 081 GABBERT, ANDY;RT 2 BOX 82;HOLT, MO 64048
MS 024 PARKER, JAMES C;RR1 BOX 33C;AMORY, MS 38821
MT 005 MINCKLER, JEFF J;2500 HERITAGE DR;HELENA, MT 59601
NJ 171 CIECURA, WALTER M JR;83 VALLEYVIEW RD;HILLSIDE, NJ 07205
NJ 172 HAGGERTY, PAUL;239 MOUNTAIN WAY;LYNDHURST, NJ 07071
NM 012 MAYFIELD, MARTIN;23 CLAYTON LAKE RD;CLAYTON, NM 88415
NY 249 ROTHMAN, SHELLY;101 W 57TH ST APT 11E;NEW YORK, NY 10019
NY 250 KING, DAVID R;77 BELVEDERE RD;BUFFALO, NY 14220
PA 180 FERGUSON, HARRY J;348 MERION RD;MERION, PA 19066
PA 181 YOUNG, GARY L;2387 RIVERSIDE DR;DUBOISTOWN, PA 17701
RI 022 MURPHY, ROBERT D II* ADDRESS WITHHELD BY REQUEST
SC 019 ARD, MARCUS VICTOR;304 EGRET CIRCLE ;GEORGETOWN, SC 29440
TX 128 MC CAGUE, MICHAEL J;8349 WINDWAY DR;SAN ANTONIO, TX 78239
TX 129 YORK, DONNIE;BOX 3008;OZONA, TX 76943
VA 073 BOHLIN, DAVID;1609 GREENWOOD DR;BLACKSBURG, VA 24060
VA 074 FOSTER, JOHN E;2424 ARKANSAS AVE;NORFOLK, VA 23513
VA 075 BARTOCHA, BODO;1332 MAC BETH ST;MC LEAN, VA 22102
WI 061 BARRINGTON, RICHARD;1557 S 78TH ST;WEST ALLIS, WI 53214


Reporting District Map of
Van Nuys
Area
★6240 SYLMAR AVE.
MAR. 1978
Cartography and Visual Aids Unit
Planning and Research Division, L.A.P.D.
LASSEN
PLUMMER ST.
NORDHOFF
ROSCOE
PARTHENIA ST.
OSBORNE ST.
RAYEN ST.
CANTARA ST.
SATICOY ST.
VANOWEN ST.
SHERMAN WAY
VICTORY BLVD.
BURBANK BLVD.
VENTURA BLVD.
MAGNOLIA BLVD.
CHANDLER BLVD.
SOUTHERN PACIFIC
MEADOW VIEW DR.
MEADOW RIDGE WAY
VALLEY VISTA BLVD.
MULHOLLAND DR.
SEPULVEDA BLVD.
FRWY
R.R.
CHANNEL
FLOOD CONTROL
901 902 903 904 905 907 909
911 912 913 914 915 916 917 918 919
921 922 923 924 925 926 927 928 929
932 934 935 936 937 938 939
941 942 944 945 946 948 949
952 955 956
957 ★958 961 962 963 964 965 966 968 969
971 972 973 974 975 976 979
981 983 984 986 988 989
991 993 995 999
1 VAN NUYS BLVD.
2 VENTURA CANYON AVE.
3 WOODMAN AVE.
4 HAZELTINE AVE.
5 VENTURA BLVD.
6 VALLEY VISTA BLVD.
7 DENSMORE AVE.
8 WOODVALE RD.
9 CLEAR VALLEY DR.
10 CONTERA RD.
11 ROYAL HILLS DR.
12 NO SEPULVEDA WAY
13 TUJUNGA WASH
PLANNING & RESEARCH DIVISION
Cartography and Visual Aids Unit
FORM 17.09.00


1. VALLEY CIRCLE BLVD. / STAGG ST. / MARCH AVE. / INGOMAR ST. / JASON AVE. / SATICOY ST.
2. AVENIDA HACIENDA
3. TARZANA DR.
4. NESTLE AVE.
5. WHITE OAK PL. / ALONZO AVE. / TWILIGHT LN.
6. OAK VIEW DR. / EMPRESS AVE. / ADLON RD.
7. BOSQUE DR. / LANAI RD. / HAYVENHURST AVE. / LIBBIT AVE. / DICKENS ST.
8. SALE AVE. / CASS AVE. / REFORMA RD. / QUINTA RD. / CERRILOS DR. / SAN FELICIANO DR. / MULHOLLAND DR. / MULHOLLAND HWY.
9. MEADOW VIEW DR. / CLEAR VALLEY DR. / MEADOW RIDGE WAY / CONTERA RD. / SAPPHIRE DR. / LINE OF SIGHT FROM WEST PROPERTY LINE 3610 SAPPHIRE DR. TO INTERSECTION OF ROYAL HILLS DR. AND SEPULVEDA BLVD.
10. SANTA MARIA RD.
11. OAKDALE CANYON
12. OWEN BROWN RD.
13. ROYAL HILLS DR.
14. N. SEPULVEDA WAY
DAYTON CANYON RD.
ROSCOE BLVD
SATICOY ST.
CHATSWORTH AVE.
SHOUP AVE.
CANOGA AVE.
BROWN'S CANYON
WILBUR AVE.
LINDLEY AVE.
LOUISE AVE.
BELL CREEK
CITY BOUNDARY
VANOWEN ST.
VARIEL AVE.
LOS ANGELES
SHERMAN WAY
ALISO
SOUTHERN PACIFIC R.R.
WHITE OAK AVE.
RESEDA AVE.
TAMPA AVE.
WINNETKA AVE.
CORBIN AVE.
ETIWANDA AVE.
WOODLAKE AVE.
CALVERT ST.
OXNARD ST.
LOS ANGELES CITY
PLATT AVE.
CALABASAS BLVD.
BURBANK BLVD.
FALLBROOK AVE.
ARROYO VERDUGO
VENTURA BLVD
VENTURA FRWY
OAKDALE AVE.
AVENIDA ORIENTE
WHITE OAK AVE.
MAGNOLIA BLVD.
BALBOA BLVD.
WOODLEY AVE.
VALLEY VISTA BLVD.
RANCHO DR.
CORBIN AVE.
TOPANGA CANYON BLVD.
DUMETZ RD.
WELLS DR.
SERRANIA AVE.
NATOMA AVE.
VANALDEN AVE.
AVENIDA ORIENTE
RESEDA BLVD.
MULHOLLAND DR.
BOUNDARY
D.W.P. PROP.
1001 1002 1003 1004 1005 1013 1014 1015 1016 1017 1018 1019 1021 1022 1023 1024 1025 1026 1027 1028 1029 1031 1032 1033 1034 1035 1036 1037 1038 1039 1043 1044 1045 1046 1047 1048 1049 1051 1052 1053 1054 1055 1056 1065 1066 1067 1068 1069 1071 1072 1074 1075 1076 1077 1078 1079 1081 1082 1083 1084 1085 1086 1087 1088 1089 1091 1092 1093 1094 1096 1097 1098 1099 1095
Reporting District Map of
West Valley Area
★ 19020 VANOWEN ST.
Cartography and Visual Aids Unit
Planning and Research Division, L.A.P.D.
JUNE 1978
PLANNING & RESEARCH DIVISION
Cartography and Visual Aids Unit
FORM 17.10.00

FAQ's

The R.C.M.A. Board is taking this opportunity to answer the many letters of inquiry we have had on the following topics.

MEMBERSHIP CARDS AND BADGES

The R.C.M.A. has no badges, decals, or membership cards for sale or distribution. The label on your newsletter is your membership card. Other clubs may have several gimmics or commercial good deals. Our good deal is the newsletter, which you as members get to write.

MEMBERSHIP RENEWAL DATE

The date printed by your membership number on your label shows the last month of your current membership. You should renew by this date to insure continuous reception of the newsletter.

Several misunderstandings have occurred due to the fact the newsletter we mail this month is carrying a cover date of next month. The advanced date is used to allow USPS to deliver your newsletter to you on time. Your letter is mailed approximately four days after the monthly board meetings.

PRORATED MEMBERSHIPS

To save postage and other complications, if your original membership application was not accompanied by the correct amount. You received a prorated membership label of less than 12 months. Please do not send in the extra amount to finish the year, just renew when your prorated date comes up.

SPECIAL FREQUENCY REQUESTS

Contact your local R.C.M.A. group for frequencies in your area or use the contact column of the newsletter. We are not yet set up for a national distribution of frequencies. We have discussed this possibility, but the current logistics of the newsletter has stopped us. Ultimately the big picture would include copies of the F.C.C. and I.R.A.C. data bases, a fast computer, and software to select and sort in any order. e.g. Frequencies along route 66 from Chicago to Tulsa in order of the cities passed. Should anyone want to bluesky on this announce your intentions in the Contact Column. We will get there. The Auto Club can plan a road trip, we should be able to give you a frequency map someday....

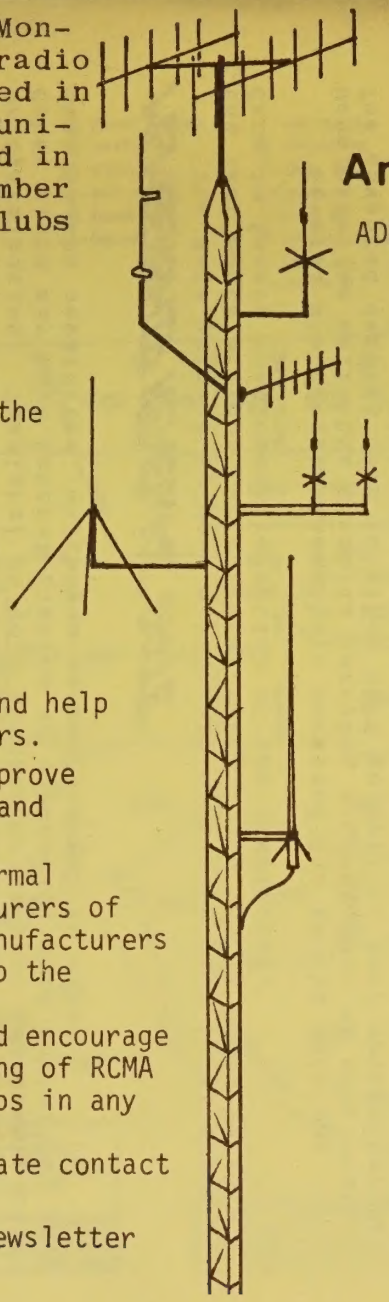
MATERIAL FOR EDITORS

Please send frequency reports and comments directly to the appropriate editor. Until we get the big data base system, the use of a central distribution P.O. Box for everything has lots of delays.

The Radio Communications Monitoring Association is a radio club for persons interested in listening to two-way communications. RCMA was founded in May 1975 and is a Full Member of North American Radio Clubs (ANARC).

The goals of RCMA are:

1) To provide a fraternity for those who seriously pursue the hobby of monitor radio listening.
2) To try to be knowledgeable about two-way radio systems and operations.
3) To promote an understanding of the legal and ethical uses of monitor receivers.
4) To share information with and help other monitor radio listeners.
5) To try to understand and improve receivers, antenna systems and related equipment.
6) To offer suggestions and formal recommendations to manufacturers of monitor receivers and to manufacturers of other products related to the hobby.
7) To offer suggestions for and encourage the organizing and conducting of RCMA meetings and tours for groups in any geographic area.
8) To encourage and to facilitate contact between members.
9) To publish a regular club newsletter devoted to the hobby.



RCMA
P.O. Box 4563
Anaheim, CA 92803

ADDRESS CORRECTION REQUESTED

BULK RATE
U. S. POSTAGE
PAID
ANAHEIM, CA 92803
PERMIT NO. 397

NJ 007 04/83
LINZMAYER, WEBB
P.O. BOX 157
MORRIS PLANES, NJ 07950

RUSH -- ITEMS OF NEWS VALUE

TIME VALUE